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ICONOGRAPHY

OF

AUSTRALIAN SPECIES OF ACACIA

AND

COGNATE GENERA,

BY

BARON FERD. VON MUELLER, K.C.M.G., M. & PH.D., F.R.S.,

GOVERNMENT BOTANIST OF THE COLONY OF VICTORIA.

"SED GAUDEBITIS ET EXULTABITIS USQUE AD SEMPERNUTM IN HIS, QUÆ DEUS CREATBAT."—*Prophetia Isaiae*, lxxv. 18.

NINTH DECADE.

BY AUTHORITY:

ROBT. S. BRAIN, GOVERNMENT PRINTER, MELBOURNE.

1888.

PRICE—THREE SHILLINGS.

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NINTH DECADE.

BY AUTHORITY:
ROBT. S. BRAIN, GOVERNMENT PRINTER, MELBOURNE.
1888.

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ACACIA TRIPTERA.

Bentham in Hooker's London Journal of Botany i. 325 (1842).

- 1, portion of a branchlet.
 - 2, flower-bud.
 - 3, unexpanded flower.
 - 4, expanded flower, perfect.
 - 5, flower, laid open, staminate only.
 - 6, front- and back-view of a stamen.
 - 7, pollen-grain.
 - 8, pistil.
 - 9, lower portion of a fruit-valve with seeds.
 - 10, a seed, separated.
 - 11, transverse section of a seed.
 - 12 and 13, longitudinal sections of seeds.
- All enlarged, but to various extent.

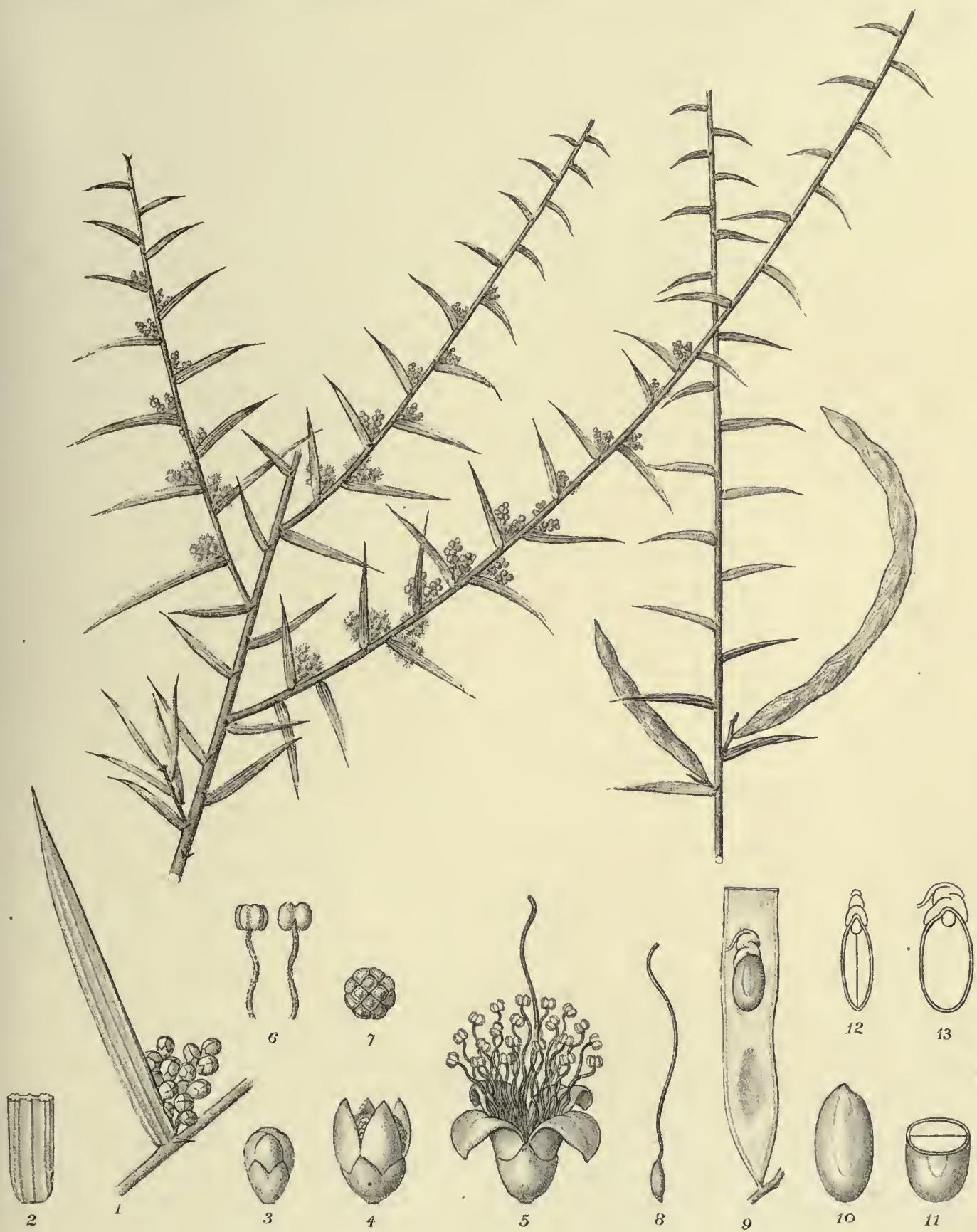


ACACIA RHIGIOPHYLLA.

F. v. M. in Schlechtendal's Linnaea xxvi. 611 (1853).

- 1, portion of a branchlet.
- 2, portion of a phyllodium.
- 3, flower-bud.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with a seed.
- 10, a seed, separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.



ACACIA ALPINA.

F. v. M. fragmenta phytographiae Australiae iii. 129 (1863).

- 1, a phyllodium.
- 2, portion of inflorescence.
- 3, bracts.
- 4, flower-bud.
- 5, unexpanded flower.
- 6, expanded flower.
- 7, front- and back-view of a stamen.
- 8, pistil.
- 9, lower portion of a fruit-valve with seeds.
- 10, a seed, separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

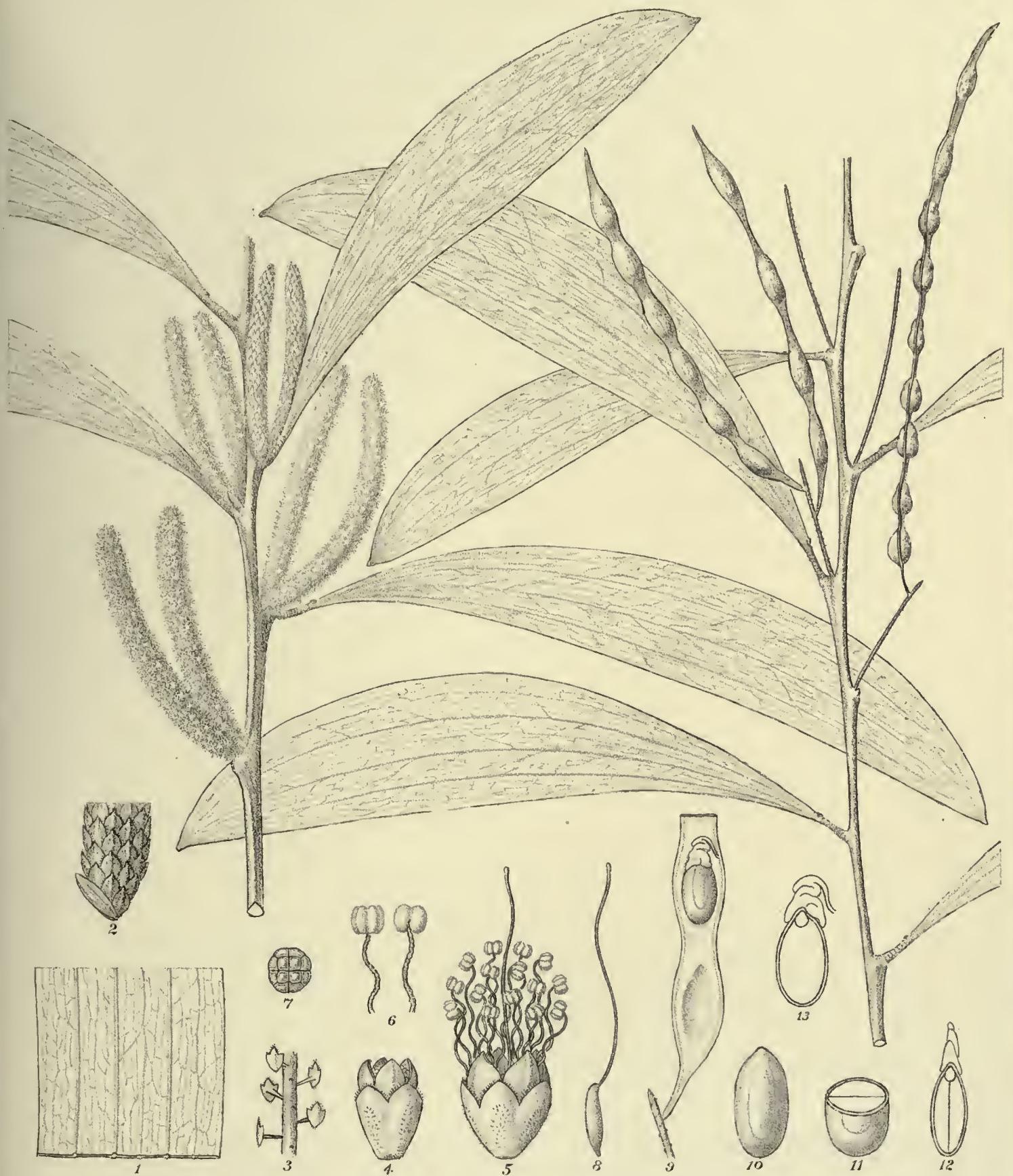
All enlarged, but to various extent.



ACACIA DALLACHIANA.

F. v. M. fragmenta phytographiae Australiae i. 7 (1858).

- 1, portion of a phyllodium.
- 2, portion of a spike before expansion.
- 3, portion of a spike, the flowers dropped.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with a seed.
- 10, a seed, separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.
All enlarged, but to various extent.



R.Graff del. C.Troedel & C^o Lith.

FvM direxit.

Steam Litho. Gov Printing Office Melb.

Acacia Dallachiana FvM

ACACIA COCHLIOCARPA.

Meissner in der Botanischen Zeitung 10 (1855).

- 1, portion of a phyllodium.
- 2, bracts.
- 3, unexpanded flower.
- 4, expanded flower.
- 5, front- and back-view of a stamen.
- 6, pollen-grain.
- 7, pistil.
- 8, lower portion of a fruit-valve with a seed.
- 9, a seed, separated.
- 10, transverse section of a seed.
- 11 and 12, longitudinal sections of seeds.

All enlarged, but to various extent.



ACACIA CINCINNATA.

F. v. M. fragmenta phytographiae Australiae xi. 35 (1878).

- 1, portion of a phyllodium.
- 2, bracts.
- 3, flower-bud.
- 4, unexpanded flower.
- 5, expanded flower, perfect.
- 6, flower, laid open, staminate only.
- 7, front- and back-view of a stamen.
- 8, pistil.
- 9, lower portion of a fruit-valve with a seed.
- 10, a seed, separated.
- 11, transverse section of a seed.
- 12, longitudinal section of a seed, showing the cotyledons.
- 13, longitudinal section of a seed, showing the funicle.

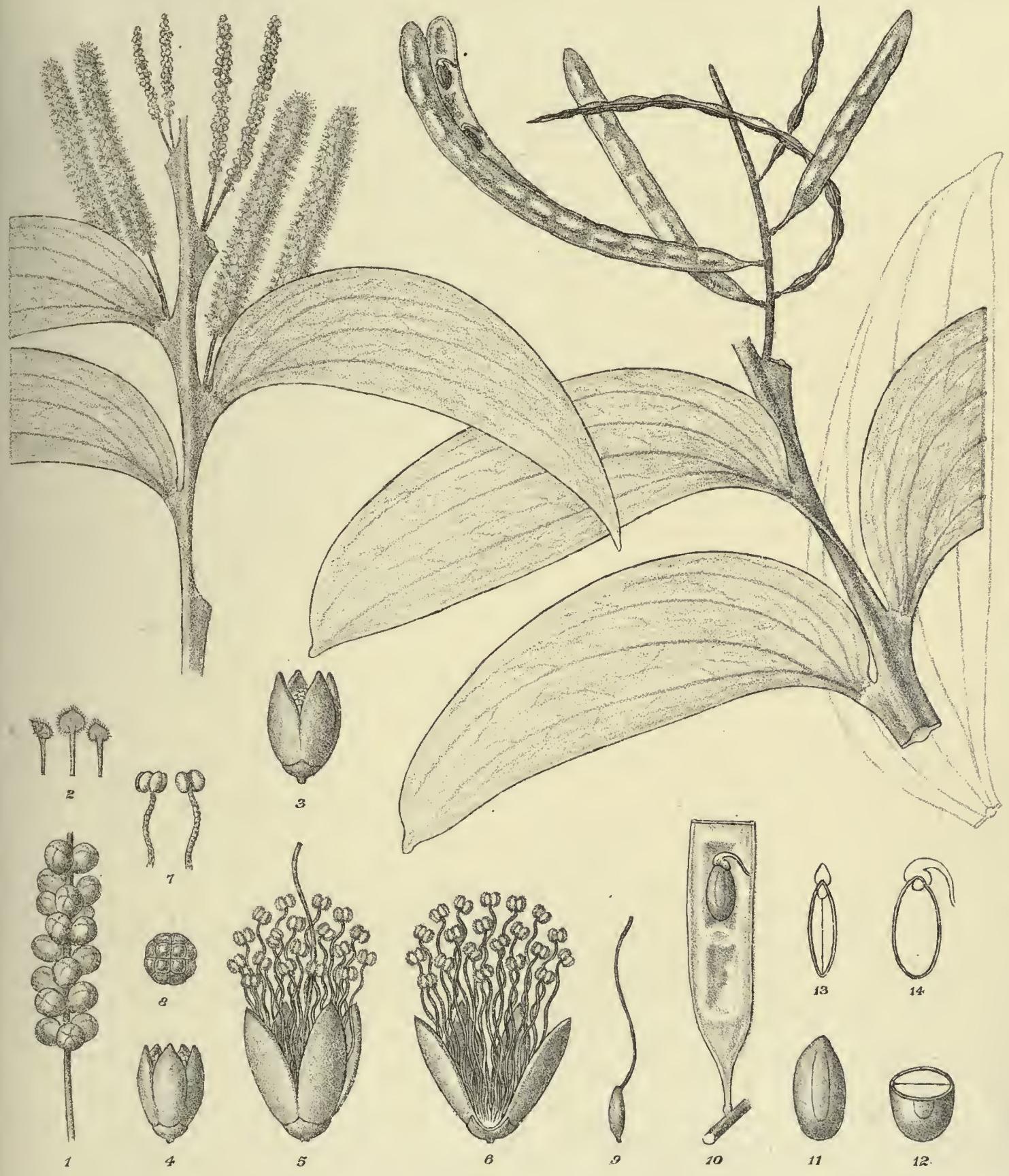
All enlarged, but to various extent.



ACACIA LATIFOLIA.

Bentham in Hooker's London Journal of Botany i. 382 (1842).

- 1, portion of an unexpanded spike.
- 2, bracts.
- 3 and 4, unexpanded flowers.
- 5, expanded flower.
- 6, flower, laid open, staminate only, one petal removed.
- 7, front- and back-view of a stamen.
- 8, pollen-grain.
- 9, pistil.
- 10, lower portion of a fruit-valve with a seed
- 11, a seed, separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.
- All enlarged, but to various extent.



ACACIA TUMIDA.

F. v. M. in the Journal of the Linnean Society iii. 144 (1858).

- 1, portion of a phyllodium.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with seeds.
- 10, a seed, separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.

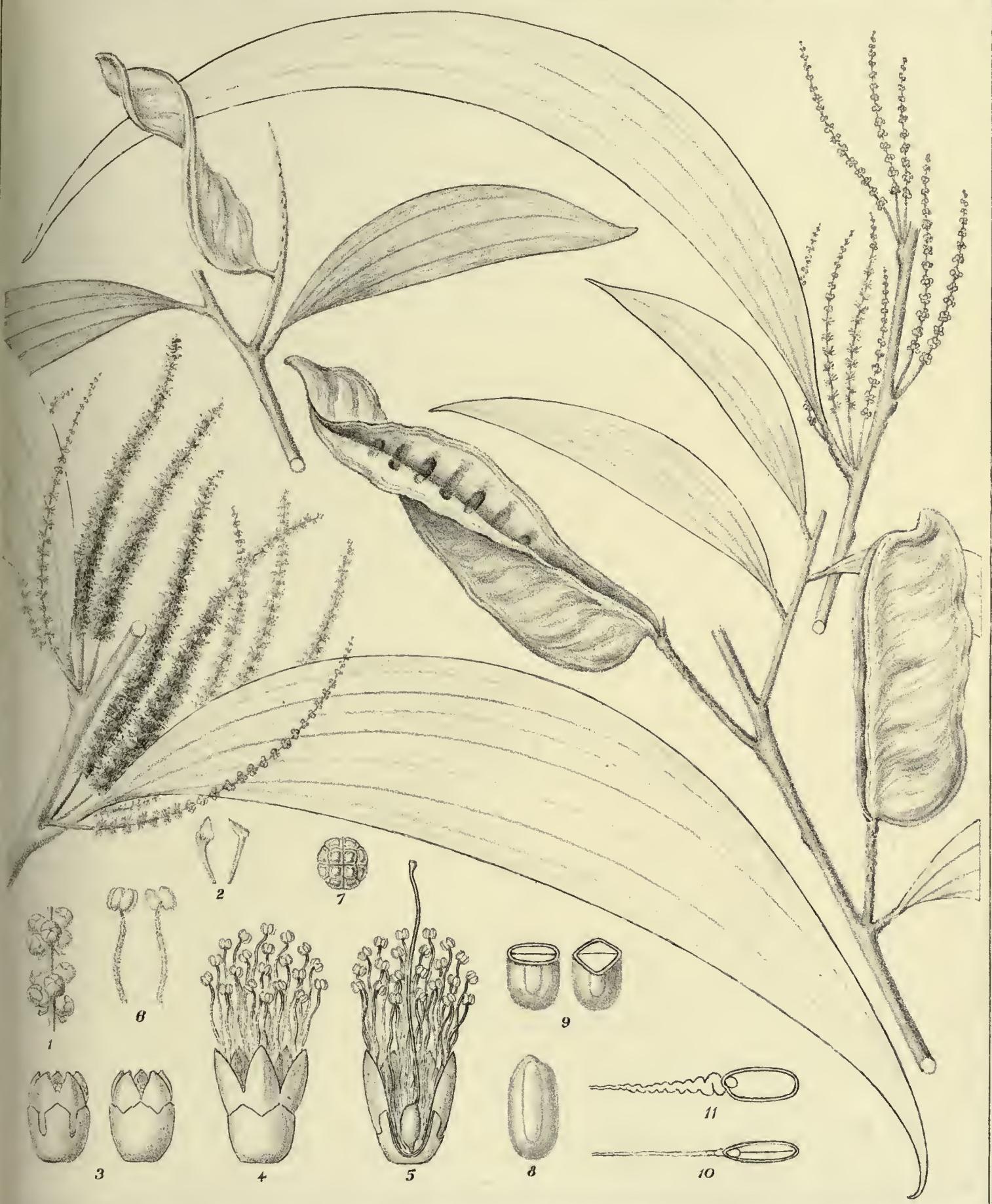


ACACIA AULACOCARPA.

Cunningham in Hooker's London Journal of Botany i. 379 (1842).

- 1, portion of inflorescence.
- 2, bracts.
- 3, unexpanded flower.
- 4, staminate flower.
- 5, perfect flower, laid open.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, a seed, separated.
- 9, transverse section of a seed.
- 10 and 11, longitudinal sections of seeds.

All enlarged, but to various extent.

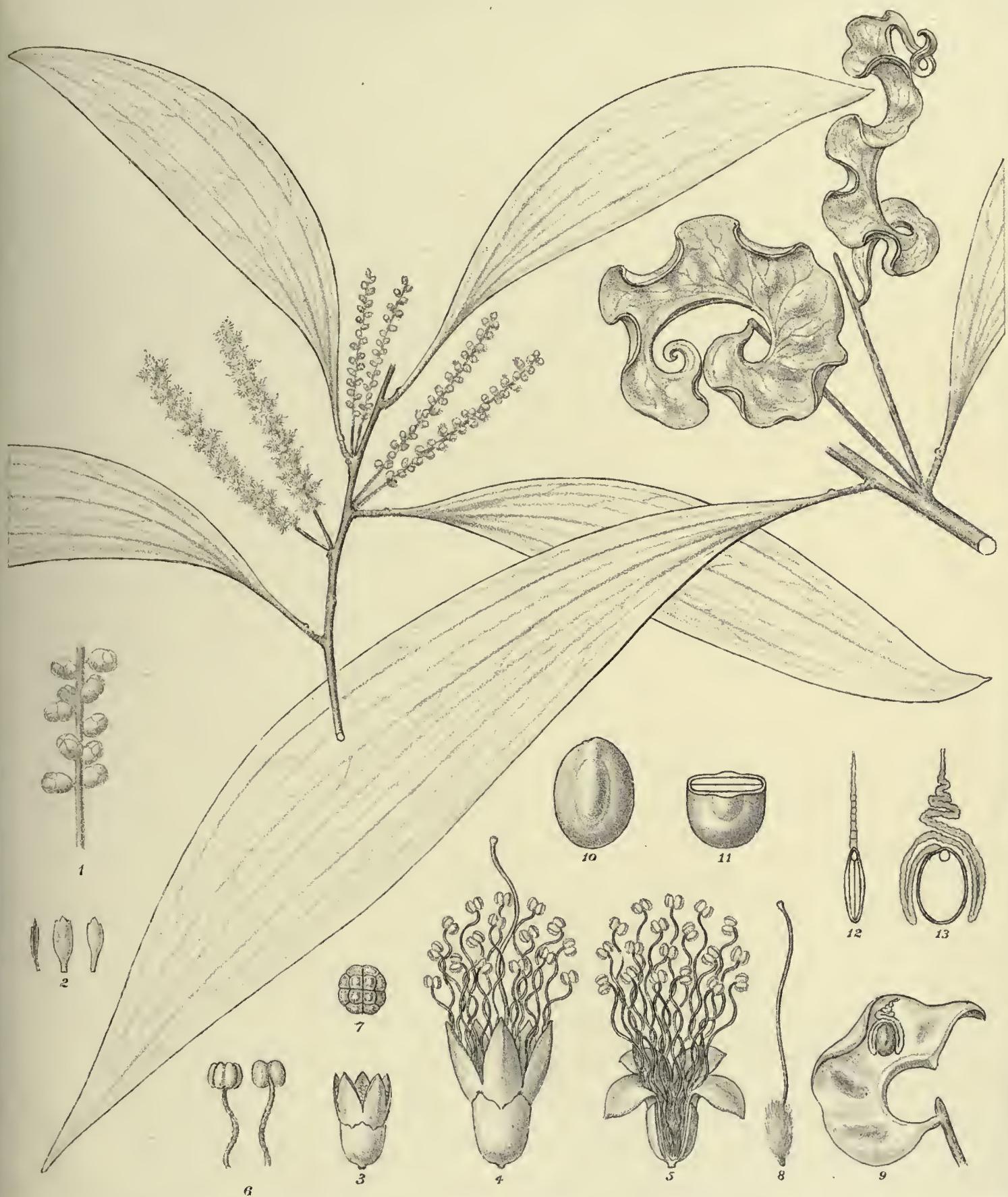


ACACIA AURICULIFORMIS.

Cunningham in Hooker's London Journal of Botany i. 377 (1842).

- 1, portion of an unexpanded spike.
- 2, bracts.
- 3, unexpanded flower.
- 4, expanded flower, perfect.
- 5, flower, laid open, staminate only.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, pistil.
- 9, lower portion of a fruit-valve with a seed.
- 10, a seed, separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.



C O N T E N T S.

ACACIA TRIPTERA.	{	ACACIA CINCINNATA.
RHIGIOPHYLLA.		LATIFOLIA.
ALPINA.		TUMIDA.
DALLACHIANA.		AULACOCARPA.
COCHLIOCARPA.		AURICULIFORMIS.

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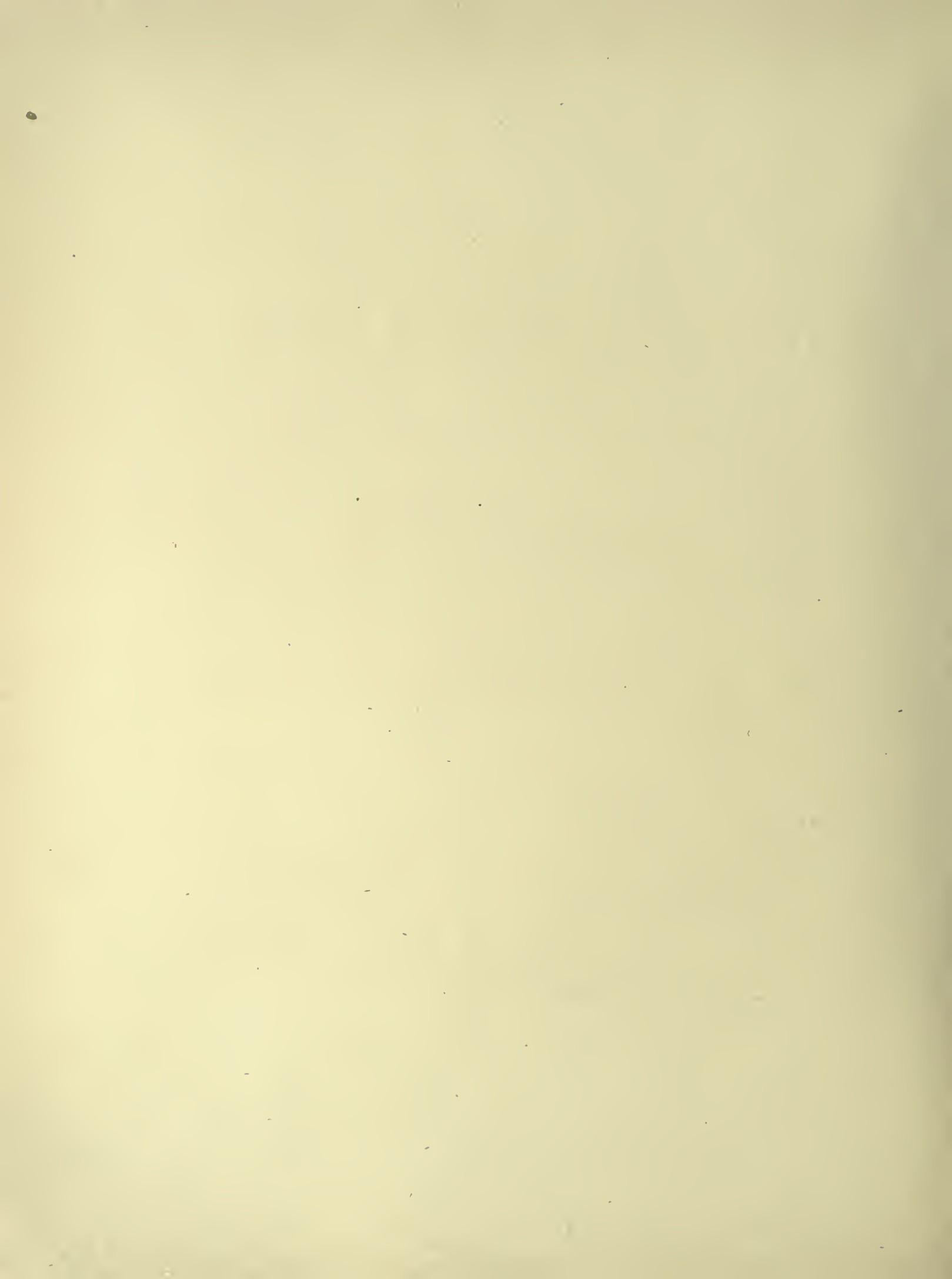
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TENTH DECADE.

BY AUTHORITY:

ROBT. S. BRAIN, GOVERNMENT PRINTER, MELBOURNE.

1888. ✓

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ACACIA DORATOXYLON.

Cunningham in Field's New South Wales 345 (1825).

- 1, portion of a phyllodium.
 - 2, portion of an unexpanded spike.
 - 3, bracts.
 - 4, flower-bud.
 - 5, unexpanded flower.
 - 6, expanded flower, perfect.
 - 7, flower, laid open, staminate only.
 - 8, front- and back-view of a stamen.
 - 9, pollen-grain.
 - 10, pistil.
 - 11, lower portion of a fruit-valve with a seed.
 - 12, a seed separated.
 - 13, transverse section of a seed.
 - 14 and 15, longitudinal sections of seeds.
- All enlarged, but to various extent.



ACACIA TORULOSA.

Bentham in the Journal of the Linnean Society iii. 139 (1858).

- 1, portion of a phyllodium.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower, perfect.
- 6, flower, laid open, staminate only.
- 7, front- and back-view of a stamen.
- 8, pollen-grain.
- 9, pistil.
- 10, lower portion of a fruit-valve with a seed.
- 11, a seed separated.
- 12, transverse section of a seed.
- 13, longitudinal section of a seed, showing cotyledons and some albument.
- 14, longitudinal section of a seed with its funicle.

All enlarged, but to various extent.



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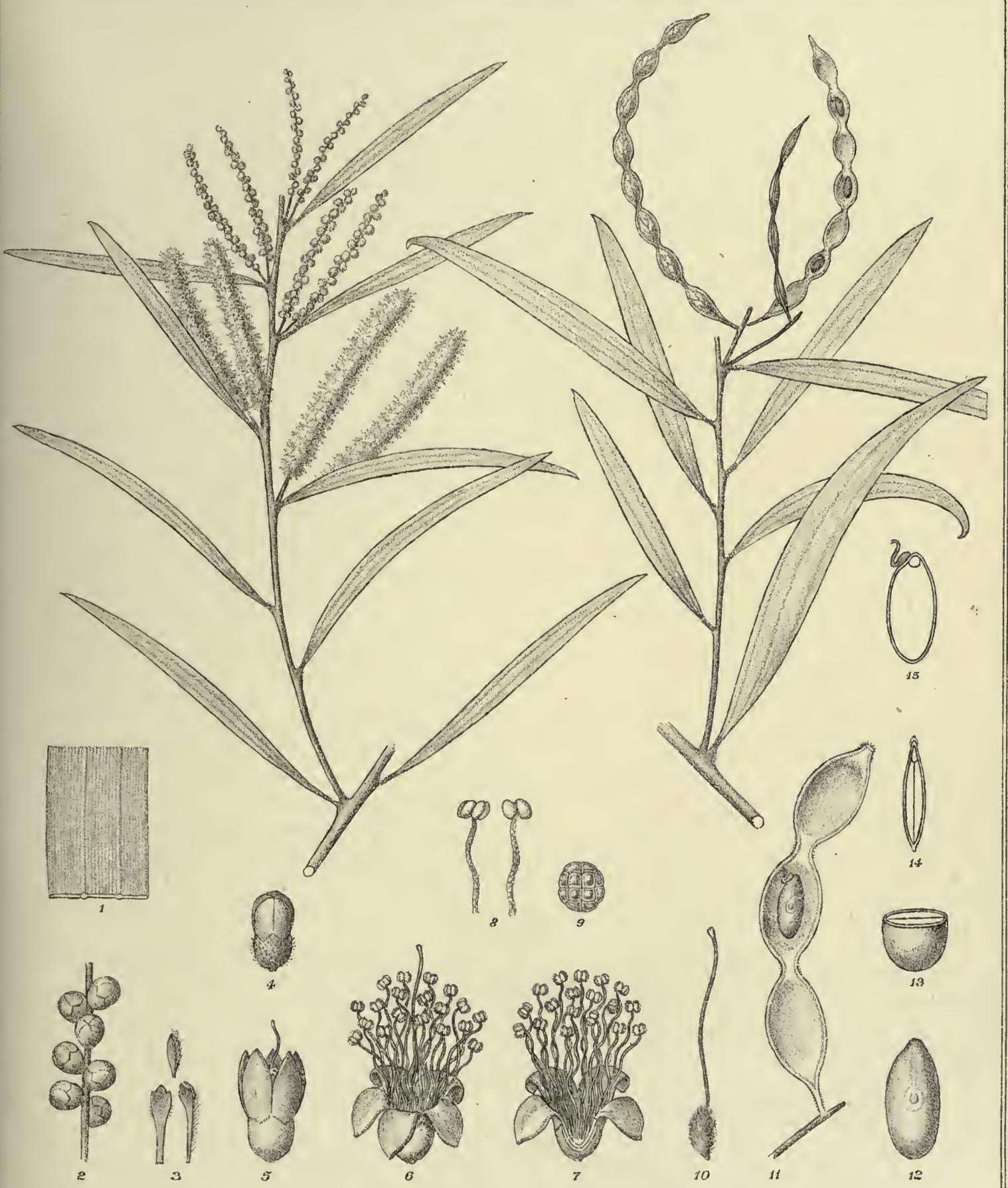
Acacia torulosa Bentham.

ACACIA LEPTOSTACHYA.

Bentham, Flora Australiensis ii. 406 (1864).

- 1, portion of a phyllodium.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, flower-bud.
- 5, unexpanded flower.
- 6, expanded flower, perfect.
- 7, flower, laid open, staminate only.
- 8, front- and back-view of a stamen.
- 9, pollen-grain.
- 10, pistil.
- 11, lower portion of a fruit-valve with seed.
- 12, a seed separated.
- 13, transverse section of a seed.
- 14 and 15, longitudinal sections of seeds.

All enlarged, but to various extent.



ACACIA LYSIPHLOIA.

F. v. M. in the Journal of the Linnean Society iii. 137 (1858).

- 1, phyllodia.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower, perfect.
- 6, flower, laid open, staminate only.
- 7, front- and back-view of a stamen.
- 8, pollen-grain.
- 9, pistil.
- 10, lower portion of a fruit-valve with seed.
- 11, a seed separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.
All enlarged; but to various extent.

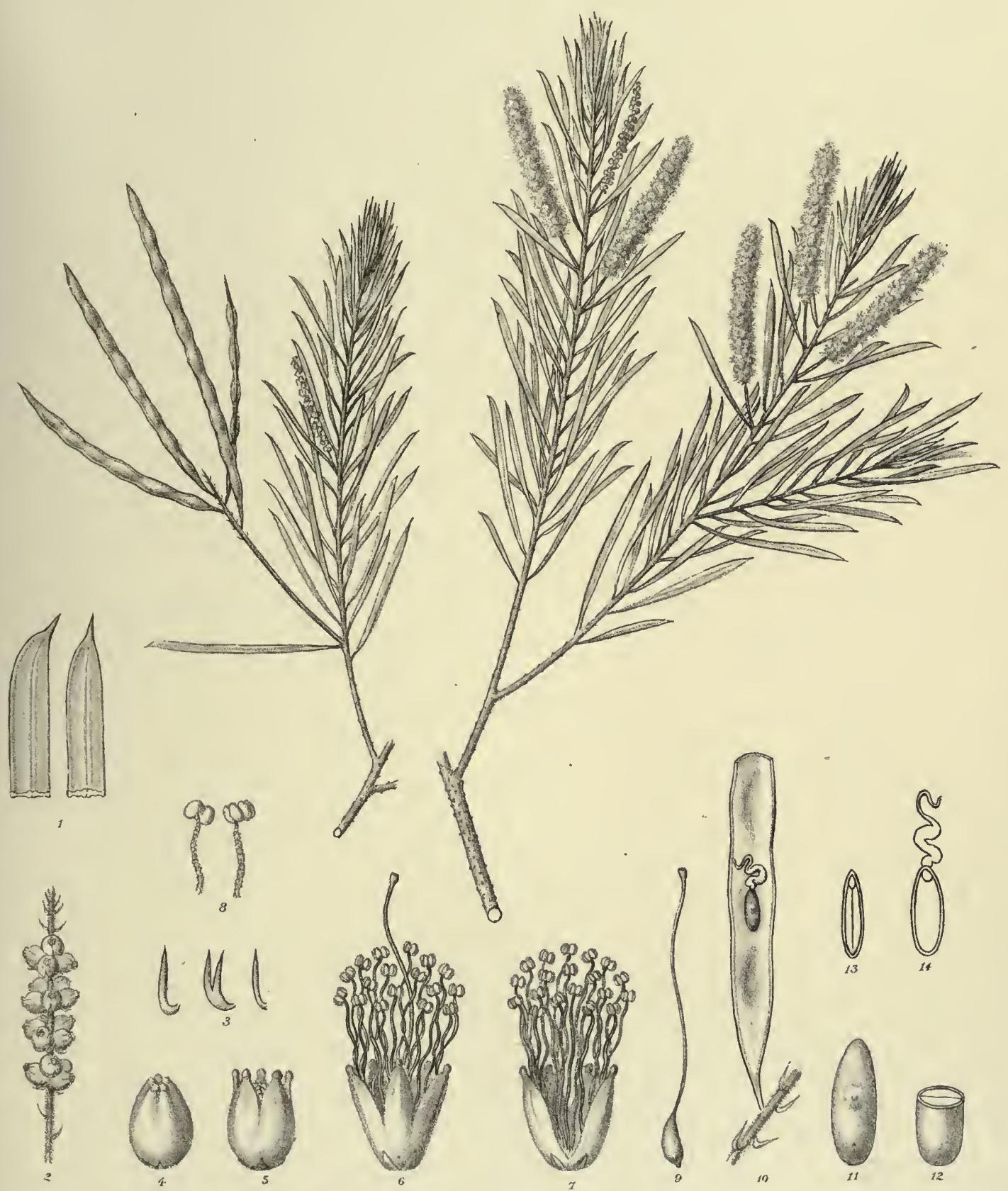


ACACIA LINARIOIDES.

Bentham in Hooker's London Journal of Botany i. 371 (1842).

- 1, portions of phyllodia.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4 and 5, flower-buds.
- 6, expanded perfect flower.
- 7, expanded flower, laid open, staminate only.
- 8, back- and front-view of a stamen.
- 9, pistil.
- 10, portion of a fruit-valve with seeds.
- 11, a seed separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.

All enlarged, but to various extent.



ACACIA CYPEROPHYLLA.

F. v. M. in Bentham's Flora Australiensis ii. 400 (1864).

- 1, portions of phyllodia.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower, staminate only.
- 6, expanded perfect flower, laid open.
- 7, front- and back-view of a stamen.
- 8, pollen-grain.
- 9, portion of a fruit-valve with seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

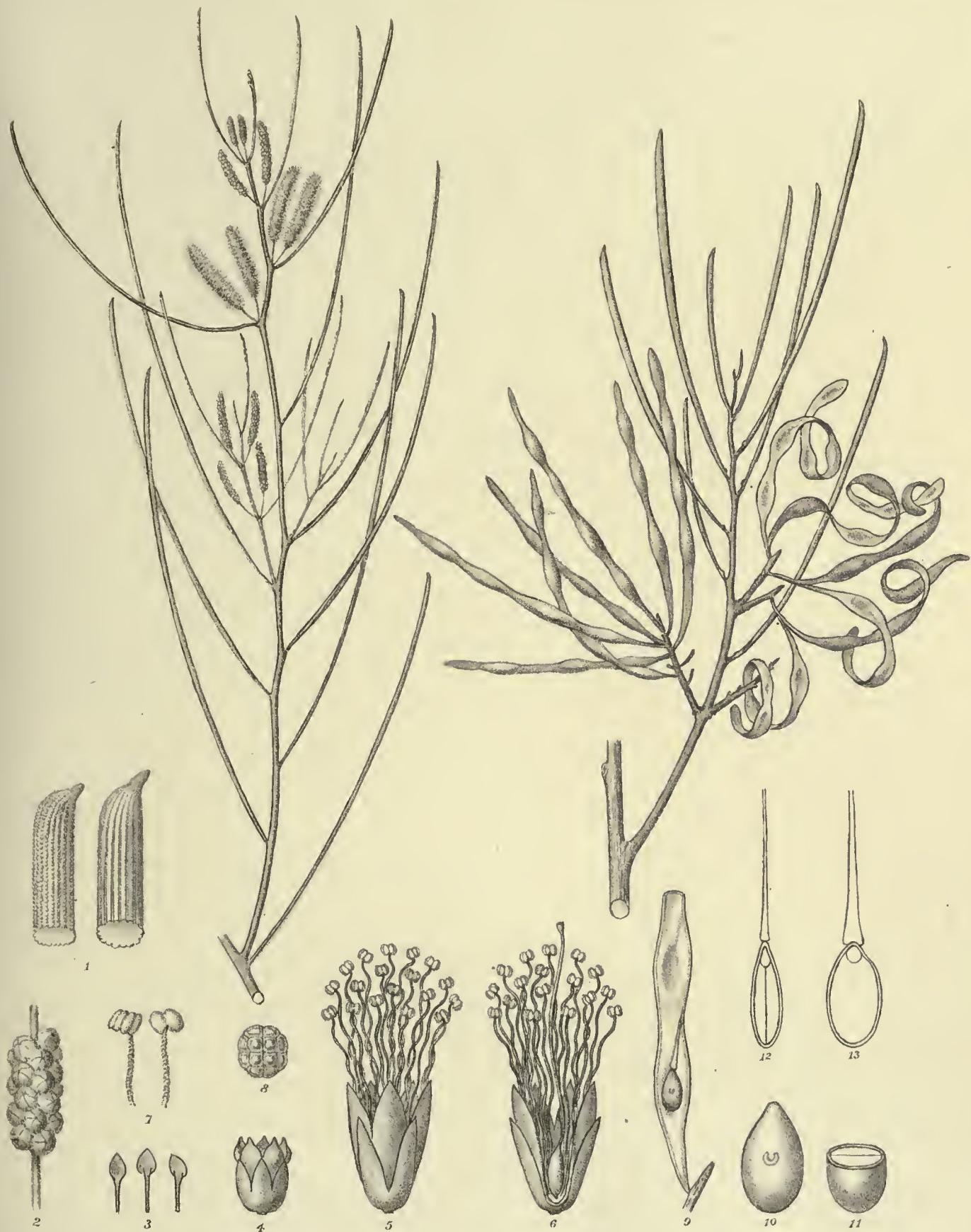
All enlarged, but to various extent.

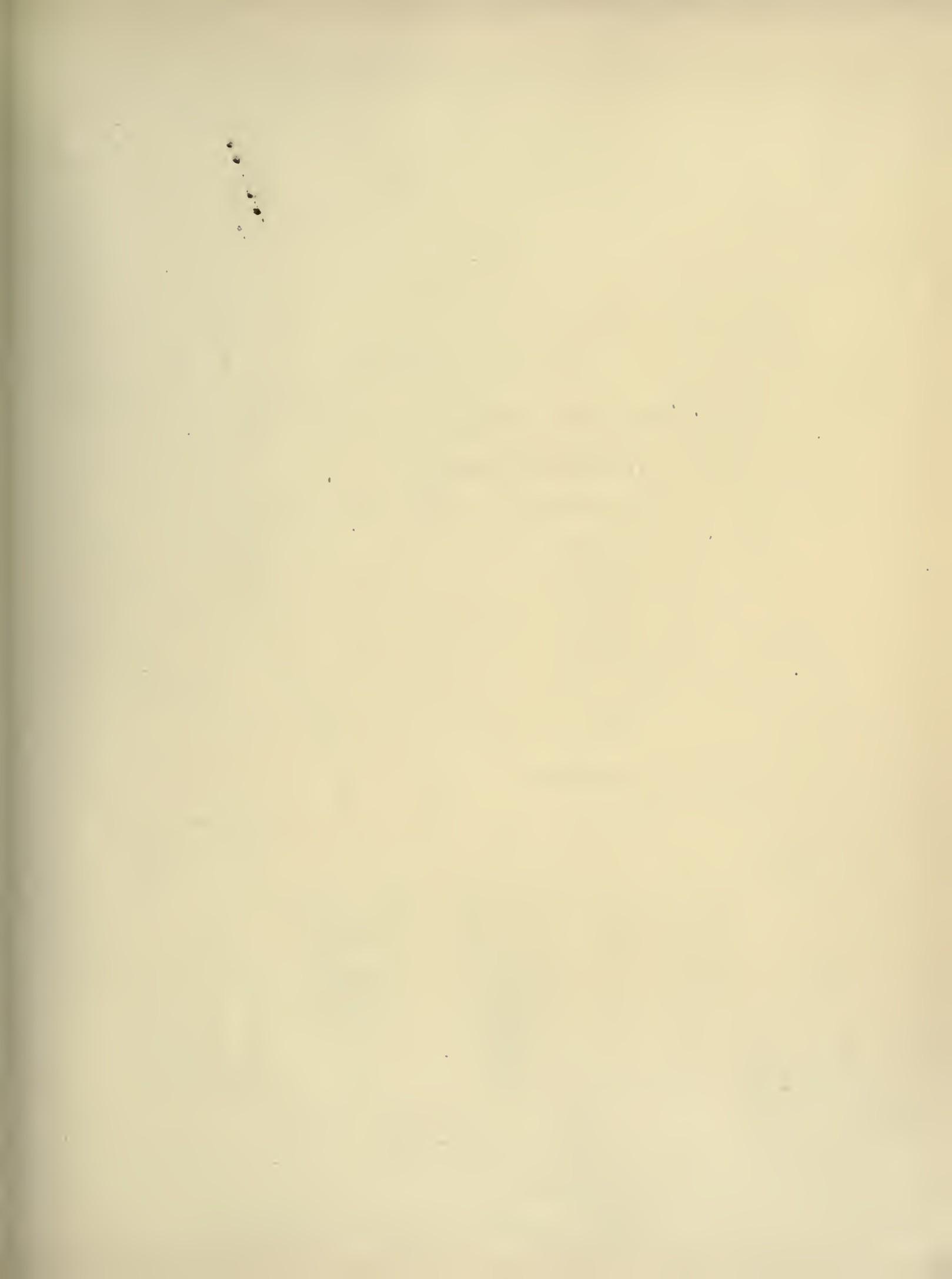


ACACIA PITYOIDES.

F. v. M. in the Journal of the Linnean Society iii. 135 (1858).

- 1, portions of phyllodia.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower, staminate only.
- 6, expanded perfect flower, laid open.
- 7, front- and back-view of a stamen.
- 8, pollen-grain.
- 9, portion of a fruit-valve with a seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.
All enlarged, but to various extent.



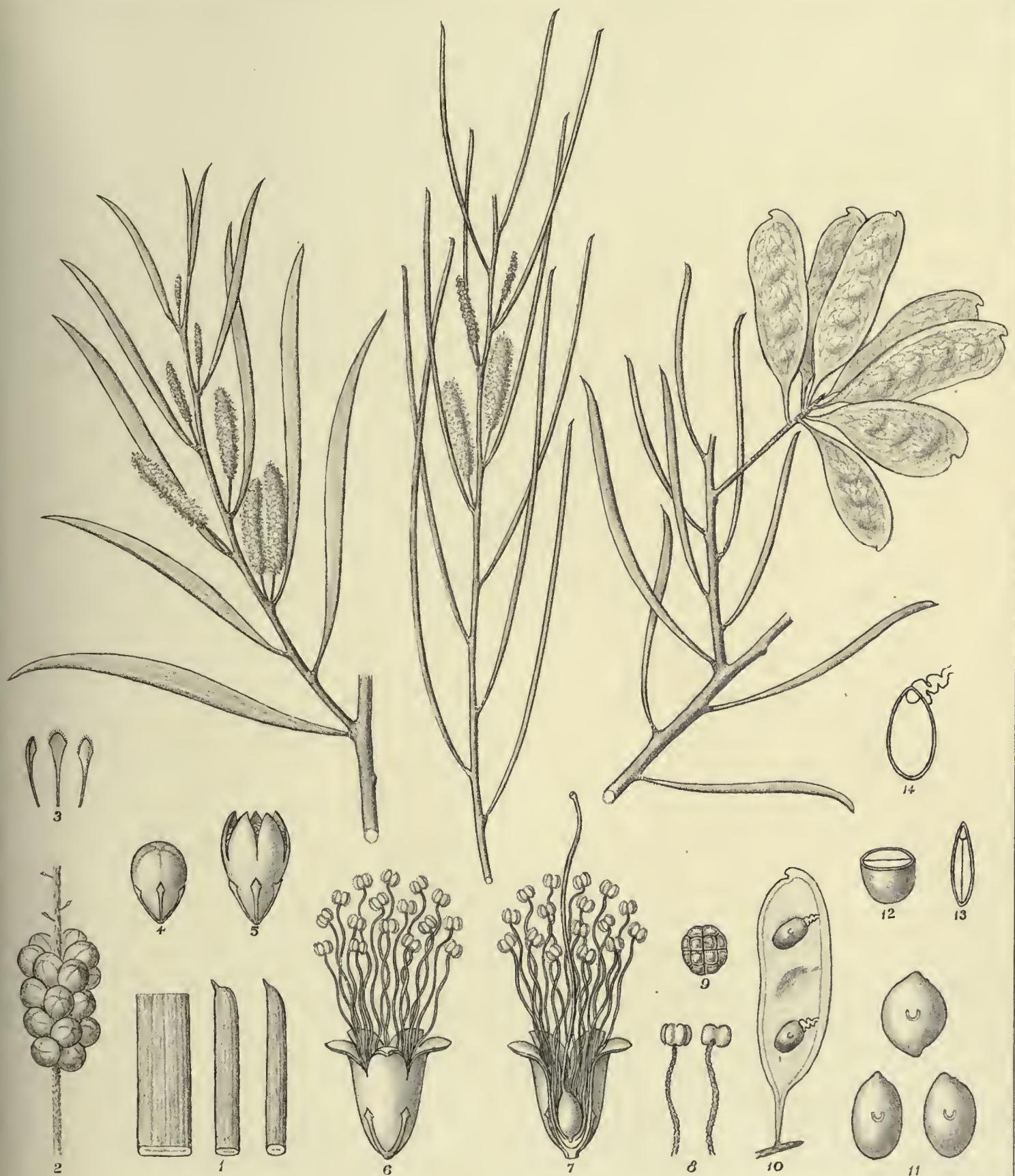


ACACIA ANEURA.

F. v. M. in Schlechtendal's Linnaea xxvi. 627 (1853).

- 1, portions of phyllodia.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, flower-bud.
- 5, unexpanded flower.
- 6, expanded flower, staminate only.
- 7, perfect flower, laid open.
- 8, front- and back-view of a stamen.
- 9, pollen-grain.
- 10, a fruit-valve with seeds.
- 11, seeds separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.

All enlarged, but to various extent.

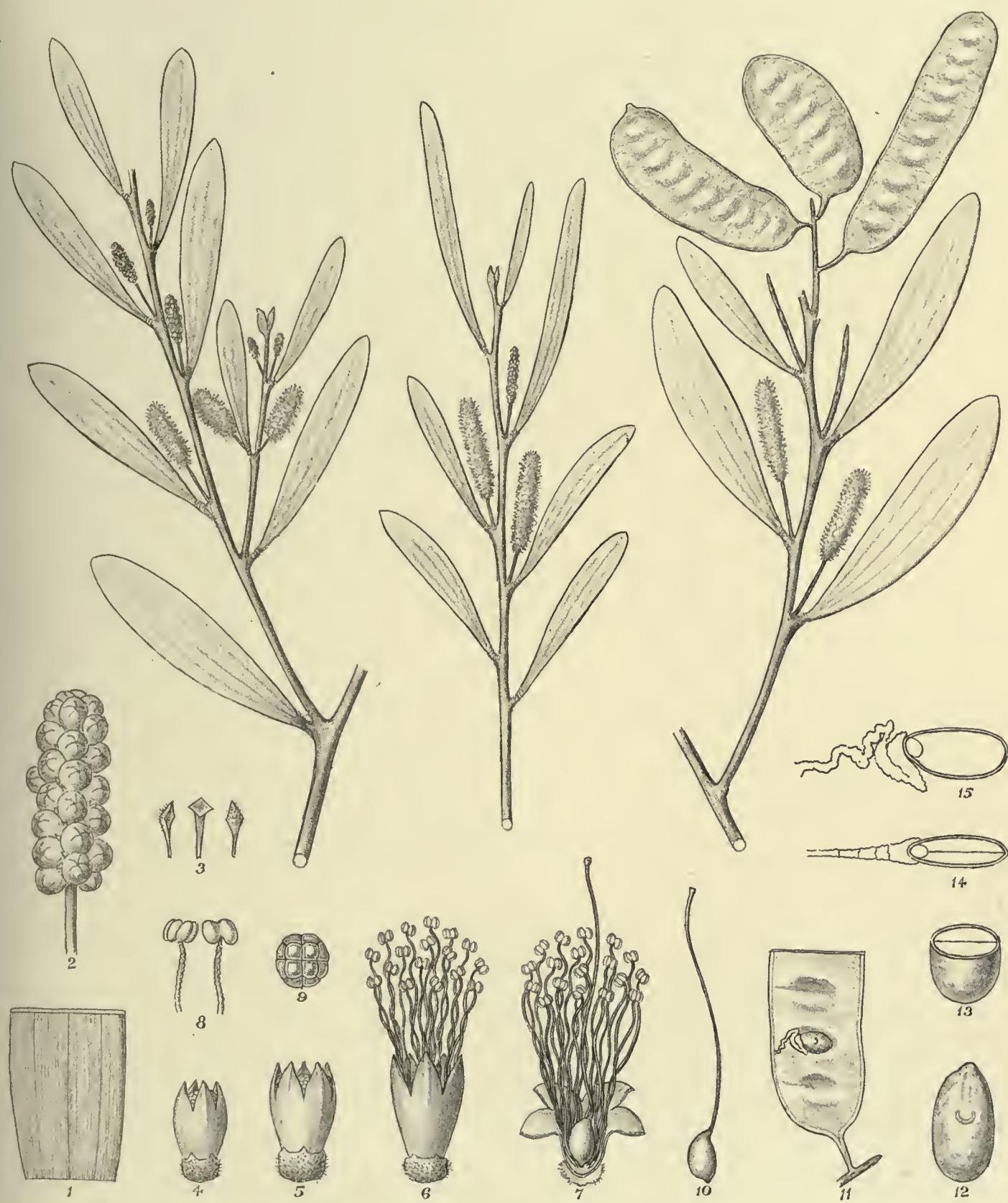


ACACIA KEMPEANA.

F. v. M. in Melbourne Chemist and Druggist, July 1882.

- 1, portion of a phyllodium.
- 2, unexpanded spike.
- 3, bracts.
- 4 and 5, unexpanded flowers.
- 6, expanded flower, staminate only.
- 7, perfect flower, laid open.
- 8, front- and back-view of a stamen.
- 9, pollen-grain.
- 10, pistil.
- 11, lower portion of a fruit-valve with a seed.
- 12, a seed separated.
- 13, transverse section of a seed.
- 14 and 15, longitudinal sections of seeds.

All enlarged, but to various extent.

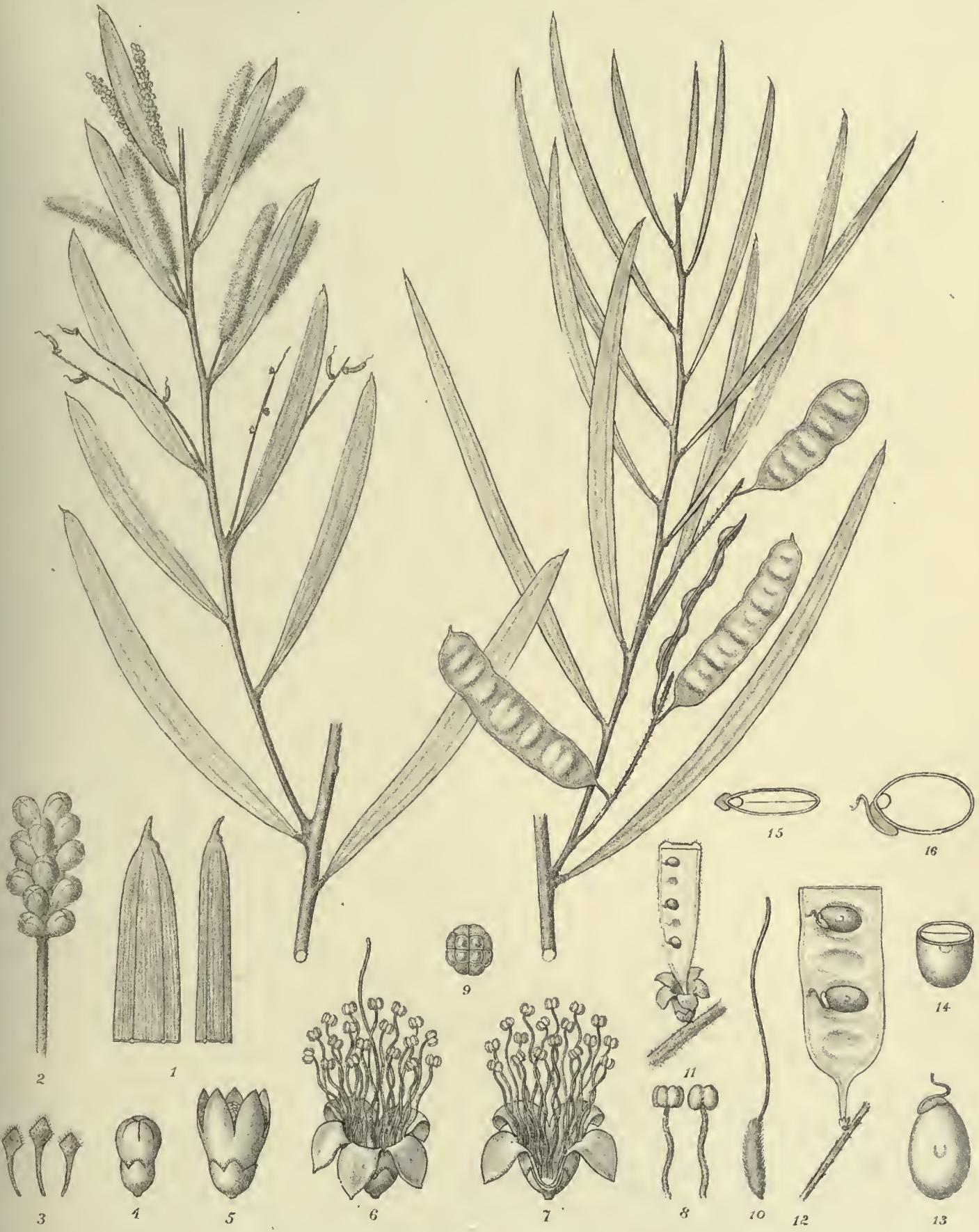


ACACIA PLECTOCARPA.

Cunningham in Hooker's London Journal of Botany i. 375 (1842).

- 1, portions of phyllodia.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, flower-bud.
- 5, unexpanded flower.
- 6, expanded flower, perfect.
- 7, flower, laid open, staminate only.
- 8, front- and back-view of a stamen.
- 9, pollen-grain.
- 10, pistil.
- 11, lower portion of a valve of a young fruit with ovules.
- 12, lower portion of a valve of a ripe fruit with seeds.
- 13, a seed separated.
- 14, transverse section of a seed.
- 15 and 16, longitudinal sections of seeds.

All enlarged, but to various extent.



C O N T E N T S.

ACACIA DORATOXYLON.	{	ACACIA CYPEROPHYLLA.
TORULOSA.		PITYOIDES.
LEPTOSTACHYA.		ANEURA.
LYSIPHLOIA.		KEMPEANA.
LINARIOIDES.		PLECTOCARPA.

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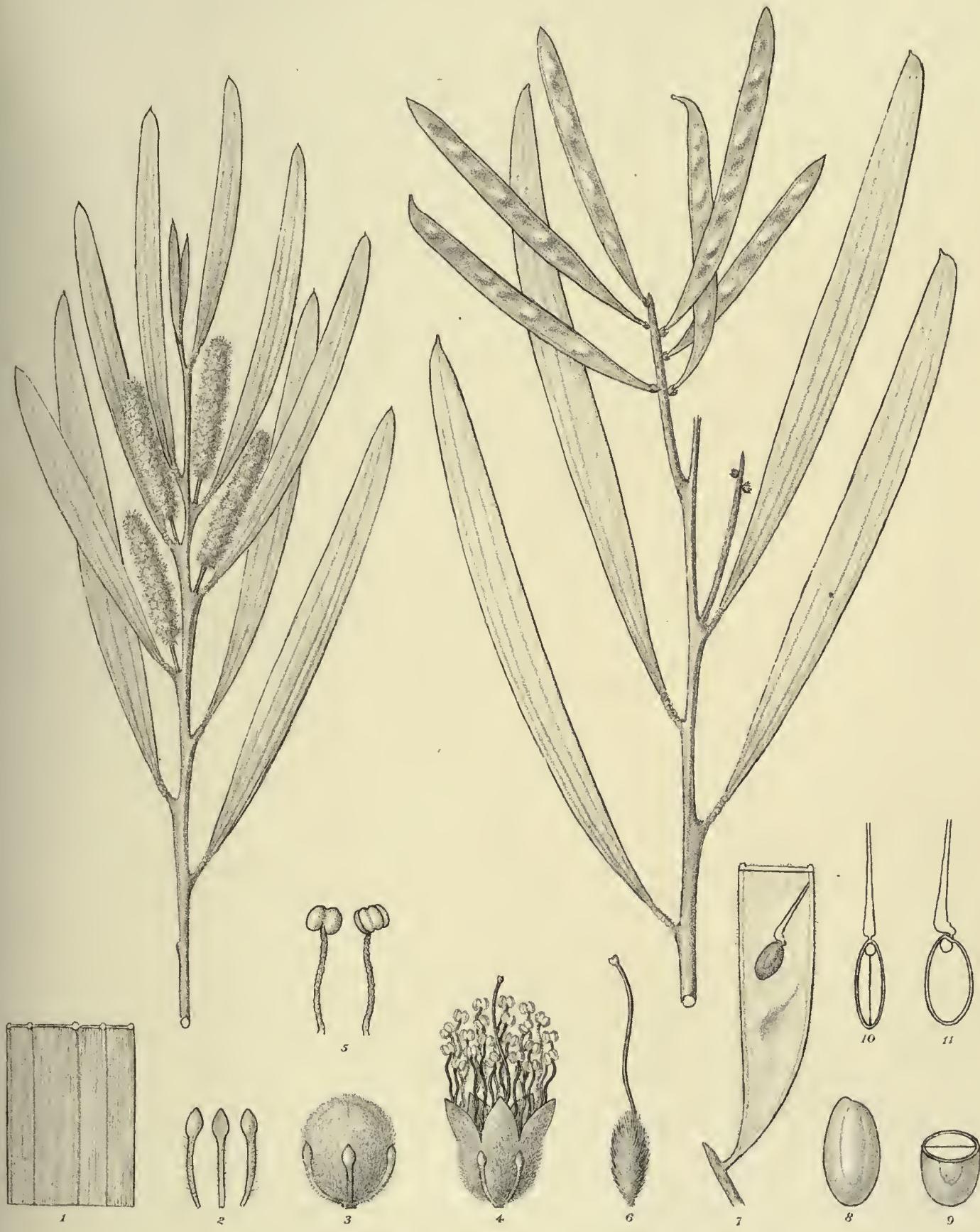
v. 11

ACACIA DELIBRATA.

Cunningham in Hooker's London Journal of Botany i. 374 (1842).

- 1, portion of a phyllodium.
- 2, bracts.
- 3, unexpanded flower.
- 4, expanded flower.
- 5, back- and front-view of a stamen.
- 6, pistil.
- 7, portion of a fruit-valve with a seed.
- 8, a seed, separated.
- 9, transverse section of a seed.
- 10 and 11, longitudinal sections of seeds.

All enlarged, but to various extent.



ACACIA GONOCLADA.

F. v. M. in the Journal of the Linnean Society iii. 140 (1858).

- 1, portion of a phyllodium.
- 2, bracts.
- 3, unexpanded flower.
- 4, expanded perfect flower.
- 5, expanded flower, laid open, staminate only.
- 6, back- and front-view of a stamen.
- 7, pistil.
- 8, portion of a fruit-valve with a seed.
- 9, a seed, separated.
- 10, transverse section of a seed.
- 11 and 12, longitudinal sections of seeds.

All enlarged, but to various extent.



ACACIA STIPULIGERA.

F. v. M. in the Journal of the Linnean Society iii. 144 (1858).

- 1, portion of a branchlet.
- 2, bracts.
- 3, unexpanded flower.
- 4, expanded perfect flower.
- 5, expanded flower, laid open, staminate only.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, pistil.
- 9, portion of a fruit-valve with a seed.
- 10, a seed, separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.
All enlarged, but to various extent.



ACACIA ACRADENIA.

F. v. M. in the Journal of the Linnean Society iii. 142 (1859).

- 1, portion of a phyllodium.
- 2, bracts.
- 3, flower-bud.
- 4, unexpanded flower.
- 5, expanded flower, staminate only.
- 6, perfect flower, laid open.
- 7, front- and back-view of a stamen.
- 8, pollen-grain.
- 9, portion of a fruit-valve with seeds.
- 10, a seed, separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.

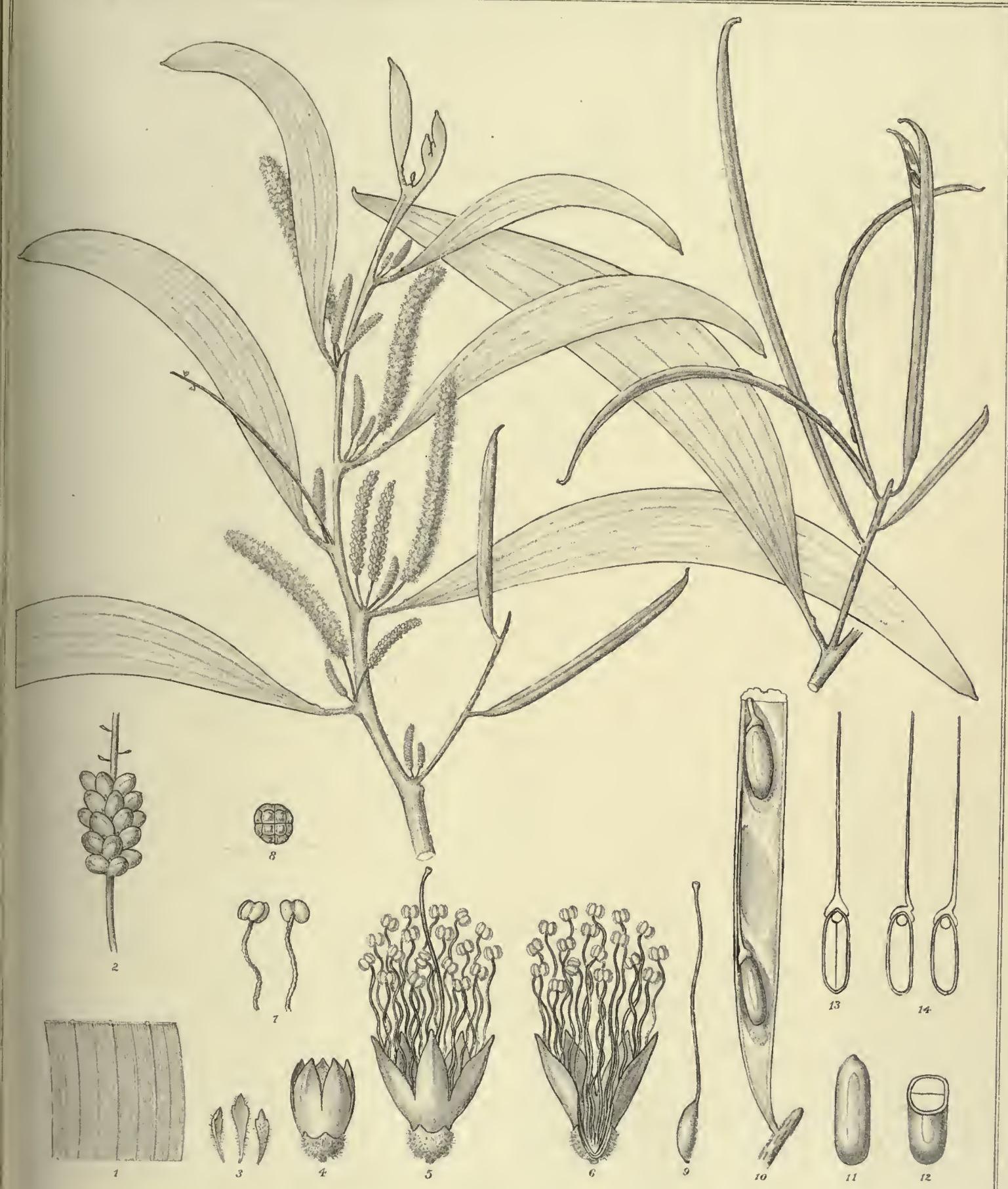


ACACIA HOLCOCARPA.

Bentham, Flora Australiensis ii. 408 (1864).

- 1, portion of a phyllodium.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded perfect flower.
- 6, expanded flower, laid open, staminate only.
- 7, front- and back-view of a stamen.
- 8, pollen-grain.
- 9, pistil.
- 10, portion of a fruit-valve with seeds.
- 11, a seed, separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.

All enlarged, but to various extent.



ACACIA WICKHAMI.

Bentham in Hooker's London Journal of Botany i. 379 (1842).

- 1, phyllodia.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, flower-bud.
- 5, unexpanded flower.
- 6, expanded perfect flower.
- 7, expanded flower, laid open, staminate only.
- 8, back- and front-view of a stamen.
- 9, pistil.
- 10, portion of a fruit-valve with a seed.
- 11, a seed, separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.

All enlarged, but to various extent.



ACACIA CONJUNCTIFOLIA.

F. v. M. fragmenta phytographiae Australiae xi. 68 (1879).

- 1, portion of a branchlet with phyllodia.
 - 2, portion of an unexpanded spike.
 - 3, bracts.
 - 4, unexpanded flower.
 - 5, expanded flower, perfect.
 - 6, flower laid open, staminate only.
 - 7, front- and back-view of a stamen.
 - 8, pistil.
 - 9, lower portion of a fruit-valve with seeds.
 - 10, a seed, separated.
 - 11, transverse section of a seed.
 - 12 and 13, longitudinal sections of seeds.
- All enlarged, but to various extent.



ACACIA XYLOCARPA.

A. Cunningham in Hooker's London Journal of Botany i. 370 (1842).

- 1, portions of phyllodia.
 - 2, portion of an unexpanded spike.
 - 3, bracts.
 - 4, unexpanded flowers.
 - 5, expanded perfect flower.
 - 6, expanded flower, staminate only, laid open.
 - 7, front- and back-view of a stamen.
 - 8, pollen-grain.
 - 9, pistil.
 - 10, portions of a fruit-valve with seeds.
 - 11, a seed, separated.
 - 12, transverse section of a seed.
 - 13 and 14, longitudinal sections of seeds.
- All enlarged, but to various extent.



ACACIA GONOCARPA.

F. v. M. in the Journal of the Linnean Society iii. 136 (1858).

- 1, portions of phyllodia.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower, staminate only.
- 6, expanded perfect flower, laid open.
- 7, front- and back-view of a stamen.
- 8, pollen-grain.
- 9, portion of a fruit-valve with a seed.
- 10, a seed, separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

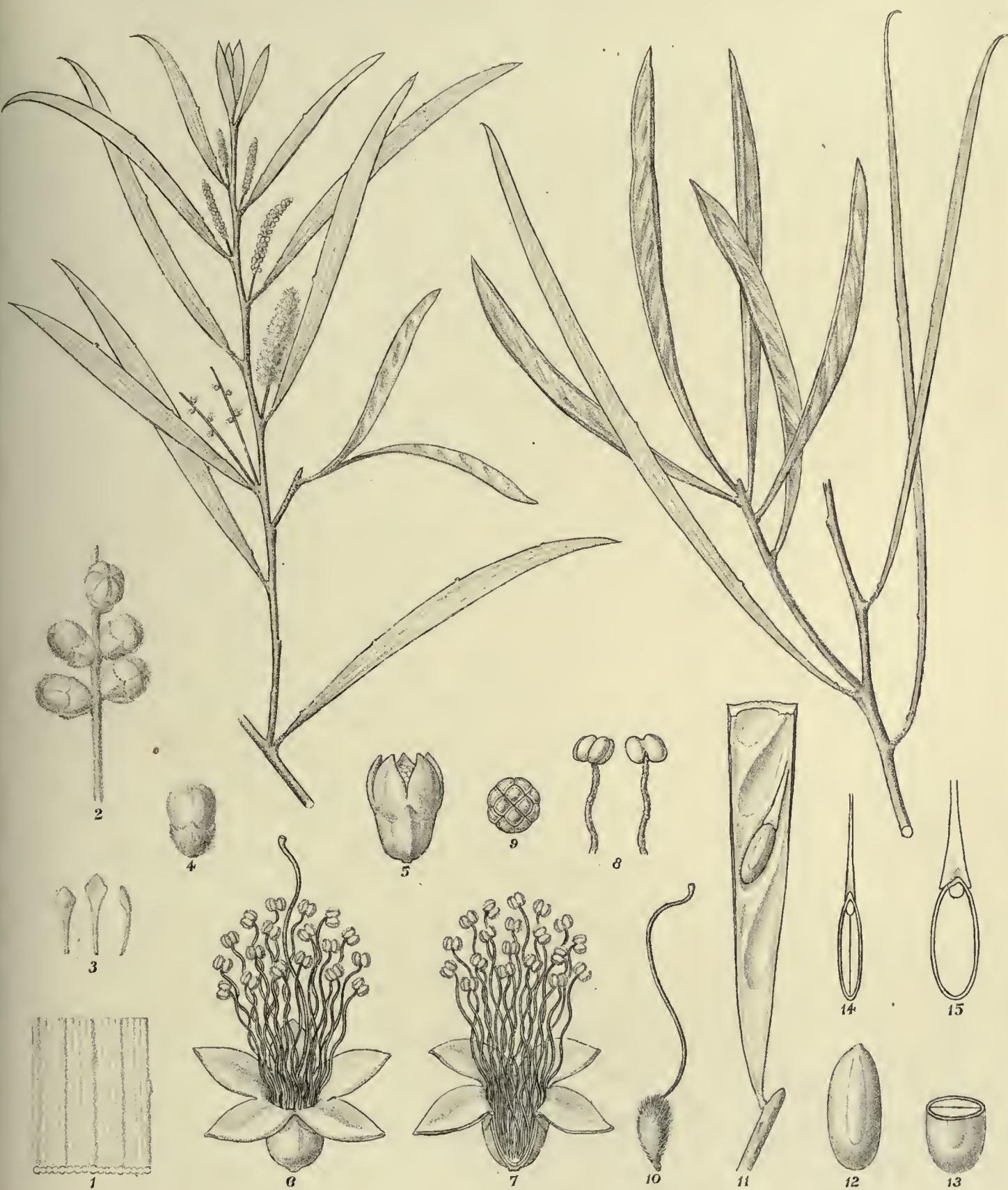
All enlarged, but to various extent.



ACACIA DREPANOCARPA.

F. v. M. in the Journal of the Linnean Society iii. 137 (1858).

- 1, portion of a phyllodium.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, flower-bud.
- 5, unexpanded flower.
- 6, expanded flower, perfect.
- 7, flower, laid open, staminate only.
- 8, front- and back-view of a stamen.
- 9, pollen-grain.
- 10, pistil.
- 11, lower portion of a fruit-valve with a seed.
- 12, a seed, separated.
- 13, transverse section of a seed.
- 14 and 15, longitudinal sections of seeds.
All enlarged, but to various extent.



C O N T E N T S.

ACACIA DELIBRATA.	{	ACACIA WICKHAMI.
GONOCLADA.		CONJUNCTIFOLIA.
STIPULIGERA.		XYLOCARPA.
ACRADENIA.		GONOCARPA.
HOLCOCARPA.		DREPANOCARPA.

ICONOGRAPHY
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AND
COGNATE GENERA,

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GOVERNMENT BOTANIST OF THE COLONY OF VICTORIA.

"GAUDEBITIS ET EXULTABITIS USQUE AD SEMPERNUTM IN HIS, QUAES DEUS CREABAT."—*Prophetia Isaiae*, lxxv. 18.

TWELFTH DECADE.

BY AUTHORITY:
ROBT. S. BRAIN, GOVERNMENT PRINTER, MELBOURNE.

1888.

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TWELFTH DECADE.

BY AUTHORITY:

ROBT. S. BRAIN, GOVERNMENT PRINTER, MELBOURNE.

1888.7

QK
495
A16
M8

v.12

ACACIA PACHYCARPA.

F. v. M. in Journal of the Linnean Society iii. 139 (1858).

- 1, portion of a phyllodium.
- 2, portion of an unexpanded spike.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower, perfect.
- 6, staminate flower, laid open.
- 7, front- back- and side-view of stamens.
- 8, pistil.
- 9, lower portion of a fruit-valve with seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.



ACACIA DENTICULOSA.

F. v. M. fragmenta phytographiae Australiae x. 32 (1876).

- 1, portion of a phyllodium.
- 2, bracts.
- 3, perfect flower.
- 4, flower, laid open, staminate only.
- 5, front- and back-view of a stamen.
- 6, pollen-grain.
- 7, pistil.
- 8, lower portion of a fruit-valve with a seed.
- 9, a seed separated.
- 10, transverse section of a seed.
- 11 and 12, longitudinal sections of seeds.
All enlarged, but to various extent.



ACACIA SUBEROSA.

Cunningham in Hooker's London Journal of Botany i. 499 (1842).

- 1, portions of a leaf.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower, staminate only.
- 6, expanded perfect flower, laid open.
- 7, back- and front-view of stamens, one glandule-bearing.
- 8, pollen-grain.
- 9, lower portion of a fruit-valve with a seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.



ACACIA BIDWILLI.

Bentham in Schlechtendal's Linnaea xxvi. 629 (1853).

- 1, portions of a leaf.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4 and 5, unexpanded flowers.
- 6, expanded flower, staminate only.
- 7, expanded perfect flower, laid open.
- 8, front- side- and back- view of stamens, one glandule-bearing.
- 9, pollen-grain.
- 10, pistil.
- 11, lower portion of a fruit-valve with a seed.
- 12, two seeds separated.
- 13, transverse sections of two seeds.
- 14 and 15, longitudinal sections of seeds.

All enlarged, but to various extent.



ACACIA BAILEYANA.

F. v. M. in the transactions of the Royal Society of Victoria (1887).

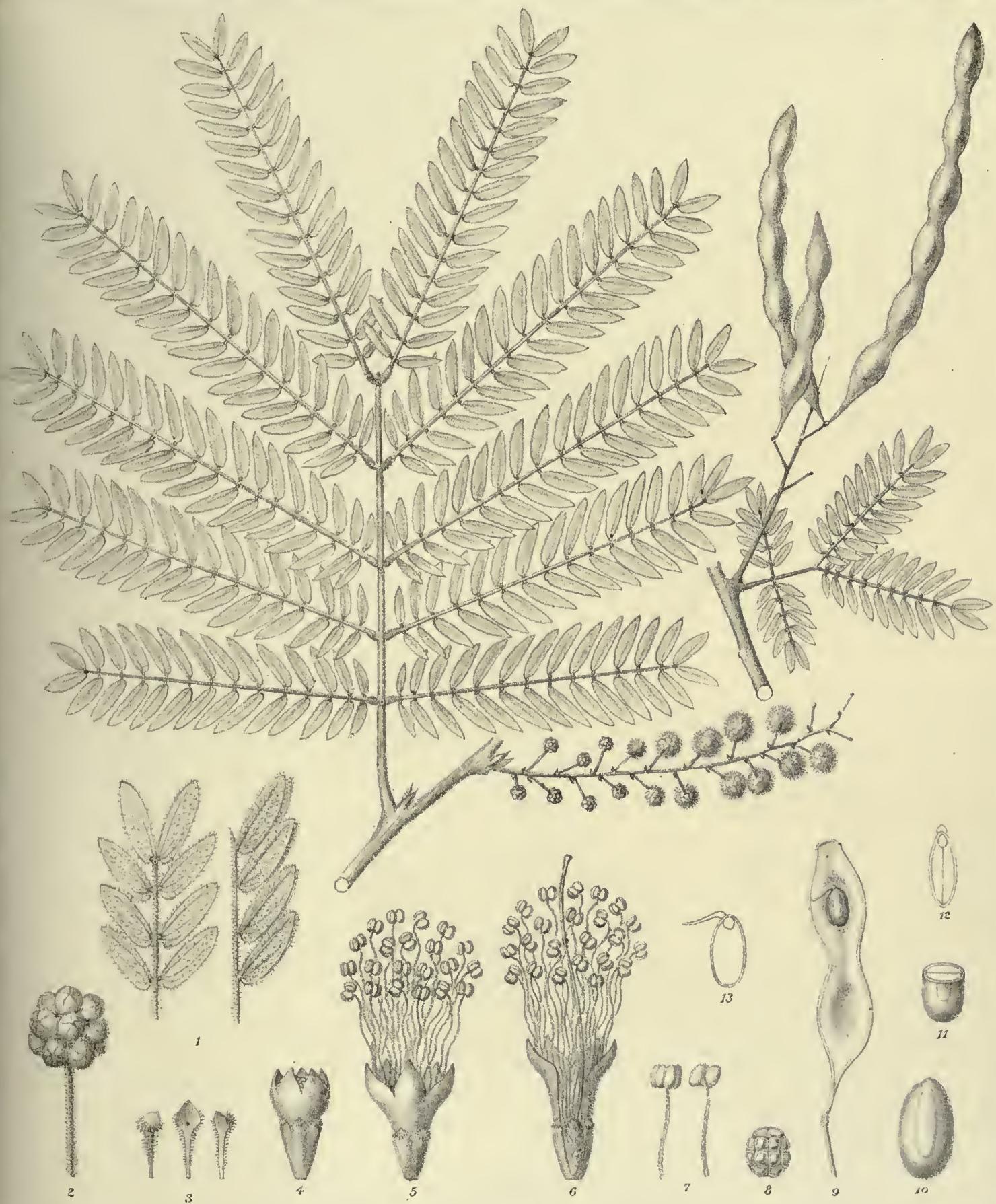
- 1, portion of a leaf.
- 2, leaflets.
- 3, head of unexpanded flowers.
- 4, bracts.
- 5, unexpanded flower.
- 6, expanded flower, staminate only.
- 7, expanded perfect flower, laid open.
- 8, front- and back-view of a stamen.
- 9, pollen-grain.
- 10, lower portion of a fruit-valve with a seed.
- 11, a seed separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.
All enlarged, but to various extent.



ACACIA POLYBOTRYA.

Bentham in Hooker's London Journal of Botany i. 384 (1842).

- 1, portions of leaves.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower, staminate only.
- 6, expanded perfect flower, laid open.
- 7, front- and back-view of a stamen.
- 8, pollen-grain.
- 9, lower portion of a fruit-valve with a seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.
All enlarged, but to various extent.



ACACIA ELATA.

Cunningham in Hooker's London Journal of Botany i. 383 (1842).

- 1, head of unexpanded flowers.
- 2, bracts.
- 3, unexpanded flower.
- 4, expanded flower.
- 5, front- and back-view of a stamen.
- 6, pollen-grain.
- 7, pistil.
- 8, lower portion of a fruit-valve with a seed.
- 9, a seed separated.
- 10, transverse section of a seed.
- 11 and 12, longitudinal sections of seeds.

All enlarged, but to various extent.



ACACIA SUTHERLANDI.

F. v. M. Albizzia Sutherlandi, F. v. M. fragmenta phytographiae Australiae vi.
22 (1867).

- 1, portions of leaves.
- 2, portion of a spike of unexpanded flower.
- 3, bracts.
- 4, flower-buds.
- 5, unexpanded flower.
- 6, expanded flower, staminate only.
- 7, expanded perfect flower, laid open.
- 8, front- and back-view of a stamen, one glandule-bearing.
- 9, pistil.
- 10, portion of a fruit-valve with one seed.
- 11, two seeds separated.
- 12, transverse section of a seed.
- 13, longitudinal sections of seeds.

All enlarged, but to various extent.



ALBIZZIA BASALTICA.

Bentham, Flora Australiensis ii. 422 (1864).

- 1, portions of leaves.
- 2, head of unexpanded flowers.
- 3, bracts.
- 4, unexpanded flower.
- 5, expanded flower, staminate only.
- 6, expanded perfect flower, laid open.
- 7, front- and back-view of a stamen.
- 8, pollen-grain.
- 9, lower portion of a fruit-valve with a seed.
- 10, a seed separated.
- 11, transverse section of a seed.
- 12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.

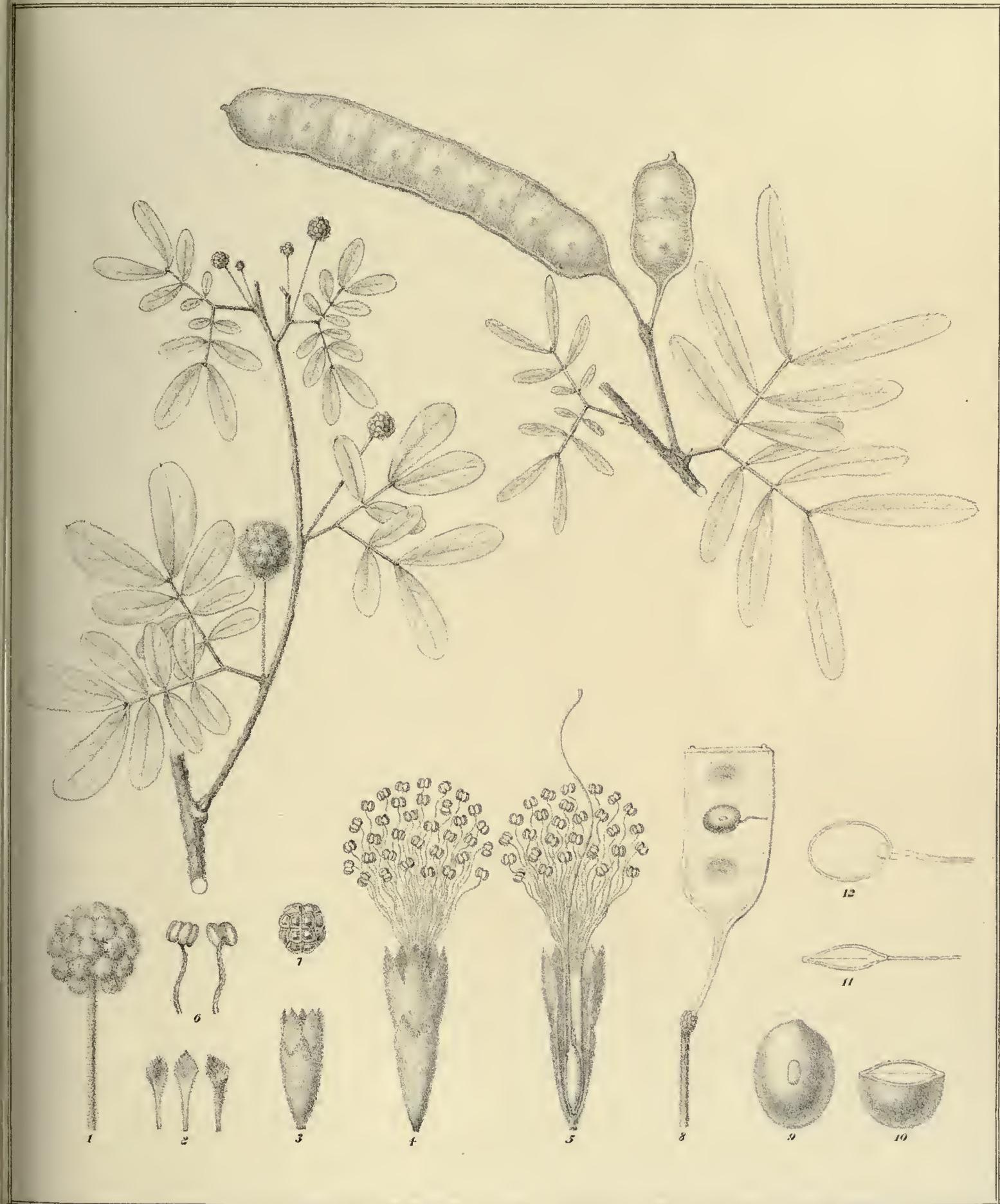


ALBIZZIA THOZETIANA.

F. v. M. in Bentham's Flora Australiensis ii. 422 (1864).

- 1, head of unexpanded flowers.
- 2, bracts.
- 3, unexpanded flower.
- 4, expanded flower, staminate only.
- 5, expanded perfect flower, laid open.
- 6, front- and back-view of a stamen.
- 7, pollen-grain.
- 8, lower portion of a fruit-valve with a seed.
- 9, a seed separated.
- 10, transverse section of a seed.
- 11 and 12, longitudinal sections of seeds.

All enlarged, but to various extent.



C O N T E N T S.

<i>ACACIA PACIYCARPA.</i>	{	<i>ACACIA POLYBOTRYA.</i>
<i>DENTICULOSA.</i>		<i>ELATA.</i>
<i>SUBEROSA.</i>		<i>SUTHERLANDI.</i>
<i>BIDWILLI.</i>		<i>ALBIZZIA BASALTICA.</i>
<i>BAILEYANA.</i>		<i>THOZETIANA.</i>

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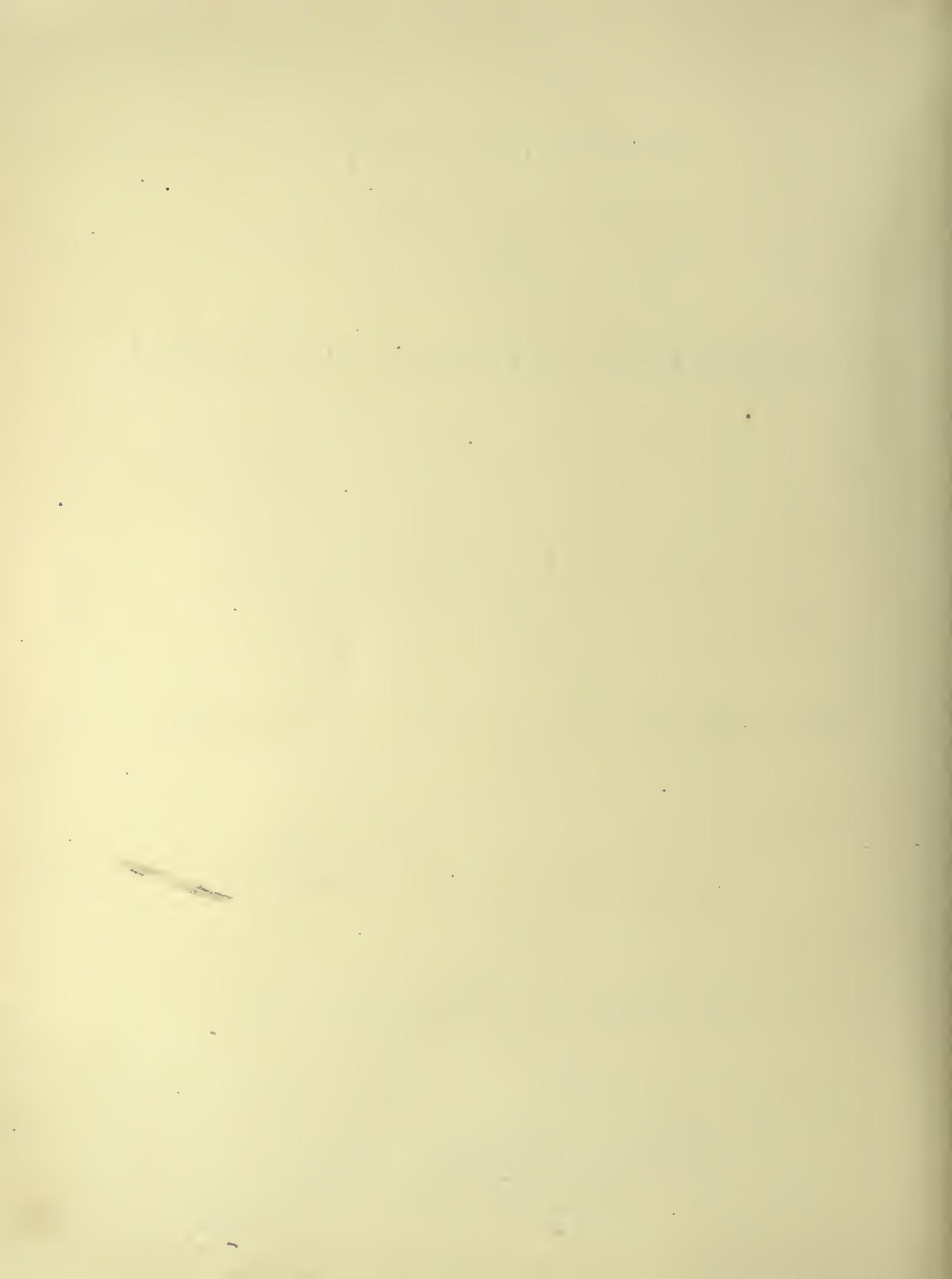
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1888.



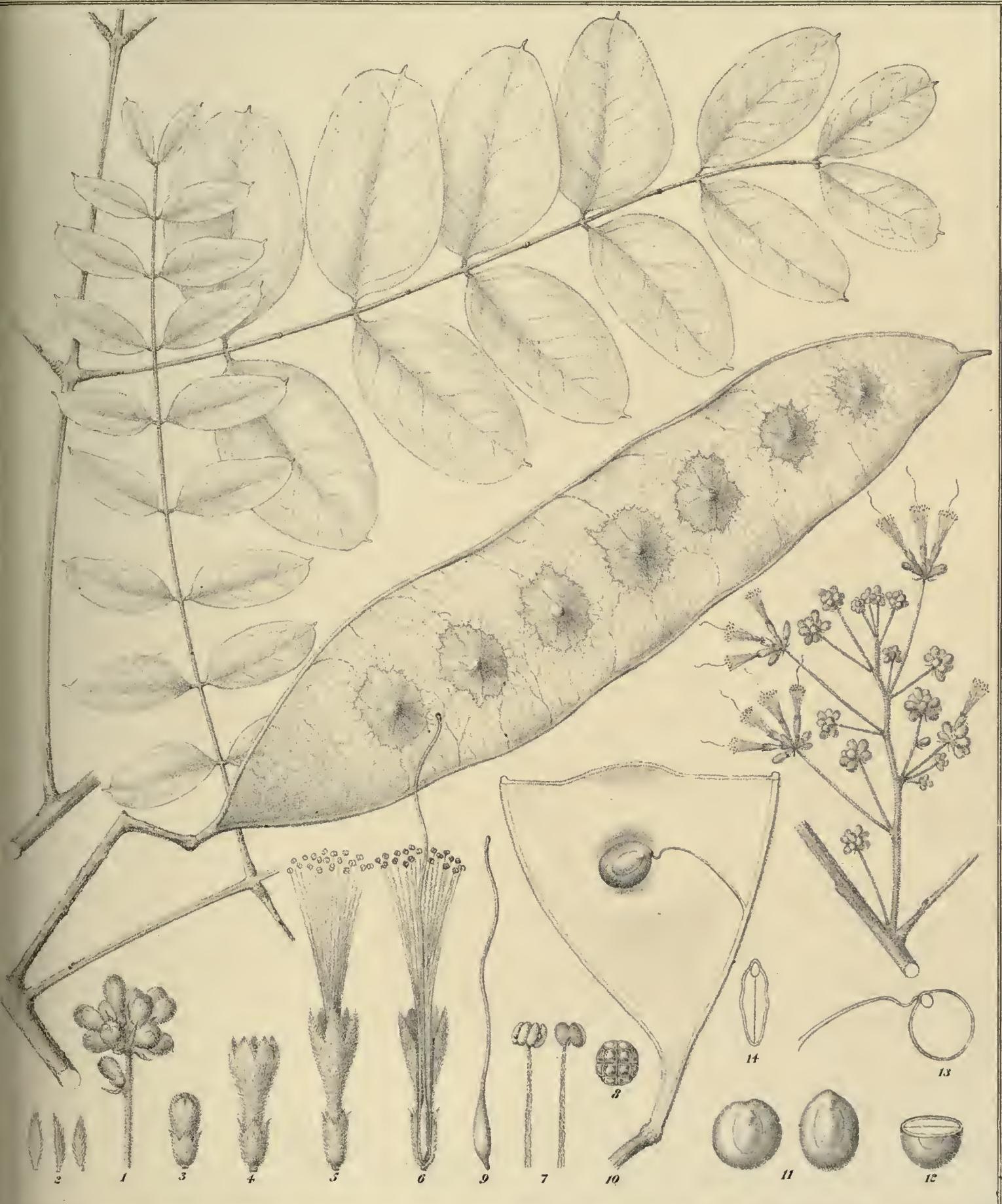
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ALBIZZIA CANESCENS.

Bentham, Flora Australiensis ii. 423 (1864).

- 1, head of unexpanded flowers.
- 2, bracts.
- 3, flower-bud.
- 4, unexpanded flower.
- 5, expanded flower, staminate only.
- 6, expanded perfect flower, laid open.
- 7, front- and back-view of a stamen.
- 8, pollen-grain.
- 9, pistil.
- 10, lower portion of a fruit-valve with a seed.
- 11, two seeds separated.
- 12, transverse section of a seed.
- 13 and 14, longitudinal sections of seeds.
All except 10 enlarged, but to various extent.



ALBIZZIA PRUINOSA.

F. v. M. in Trimen's Journal of Botany 9 (1872).

- 1, bracts.
 - 2, flower-bud.
 - 3 and 4, unexpanded flowers.
 - 5, expanded flower, laid open.
 - 6, front- and back-view of a stamen.
 - 7, pollen-grain.
 - 8, lower portion of a fruit-valve with seeds.
 - 9, a seed separated.
 - 10, transverse sections of two seeds.
 - 11 and 12, longitudinal sections of seeds.
- All enlarged, but to various extent.



ALBIZZIA MONILIFERA.

F. v. M. in Trimen's Journal of Botany 10 (1872).

- 1, bracts.
 - 2, portion of an inflorescence.
 - 3 and 4, unexpanded flowers.
 - 5, expanded flower, laid open.
 - 6, front-, side- and back-view of a stamen.
 - 7, pollen-grain.
 - 8, pistil.
 - 9, lower portion of a fruit-valve with a seed.
 - 10, a seed separated.
 - 11, transverse section of a seed.
 - 12 and 13, longitudinal sections of seeds.
- All enlarged, but to various extent.

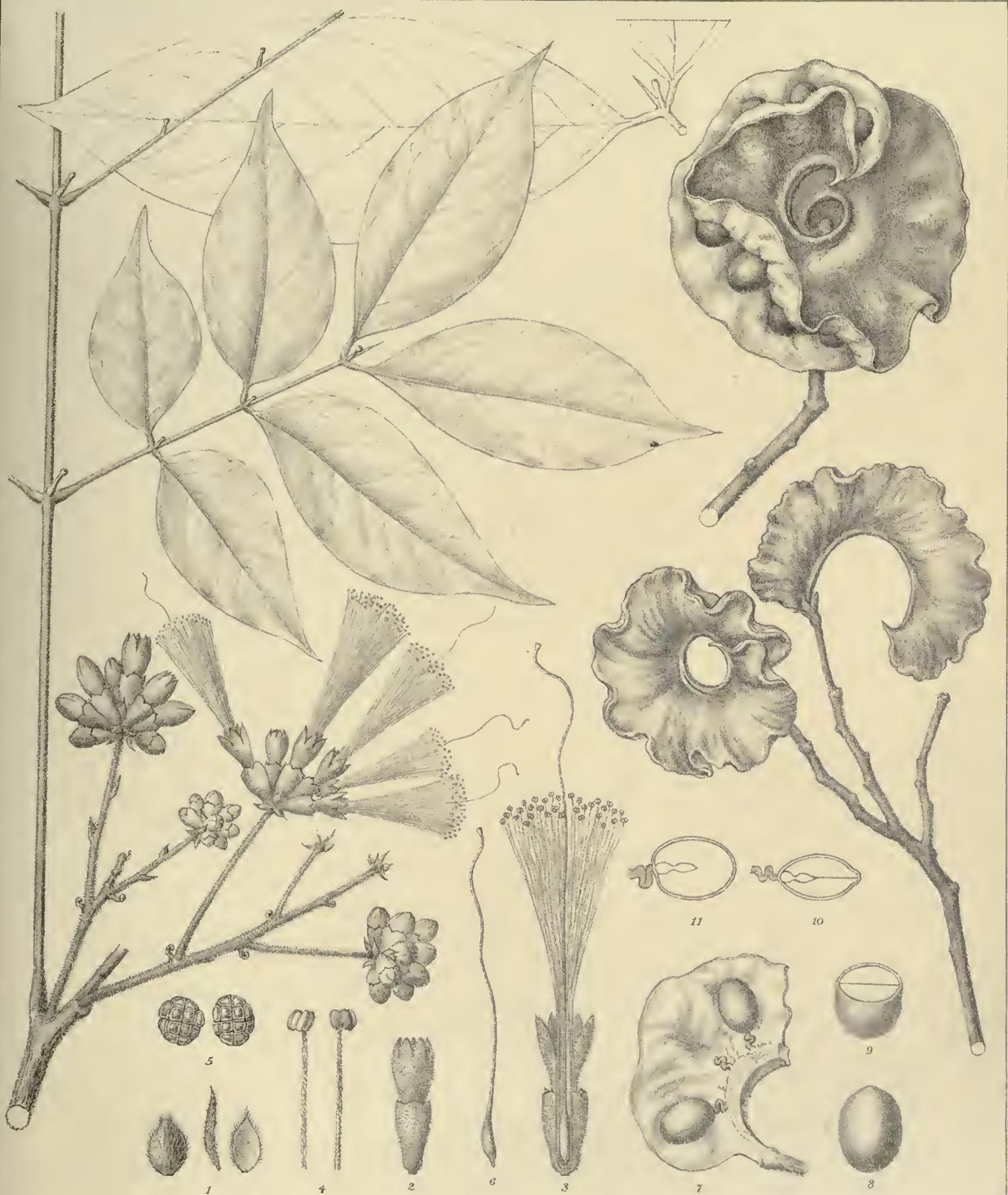


ALBIZZIA TOZERI.

F. v. M. in Trimen's Journal of Botany 10 (1872.)

- 1, bracts.
- 2, unexpanded flower..
- 3, expanded flower, laid open.
- 4, front- and back-view of a stamen.
- 5, pollen-grains.
- 6, pistil.
- 7, lower portion of a fruit-valve with two seeds.
- 8, a seed separated.
- 9, transverse section of a seed.
- 10 and 11, longitudinal sections of seeds.

All enlarged, but to various extent.



ALBIZZIA HENDERSONI.

F. v. M. in Trimen's Journal of Botany 10 (1872).

- 1, bracts.
 - 2, flower-bud.
 - 3, unexpanded flower.
 - 4, expanded flower.
 - 5, front-, side- and back-view of a stamen.
 - 6, pollen-grain.
 - 7, pistil.
 - 8, lower portion of a fruit-valve with seeds.
 - 9, two seeds separated.
 - 10, transverse section of a seed.
 - 11 and 12, longitudinal sections of seeds.
- All enlarged, but to various extent.



ALBIZZIA LUCYI.

F. v. M., Archidendron Lucyi, F. v. M. fragmenta phytographiae Australiae
vi. 201 (1868).

- 1, flower-bud.
- 2, unexpanded flower.
- 3, expanded flower, laid open.
- 4, front- and back-view of a stamen.
- 5, pollen-grain.
- 6, pistils.
- 7, lower portion of a fruit-valve with a seed.
- 8, a seed separated.
- 9, transverse section of a seed.
- 10 and 11, longitudinal sections of seeds.

All enlarged, but to various extent.



ALBIZZIA VAILLANTII.

F. v. M., Archidendron Vaillantii, F. v. M. fragmenta phytographiae Australiae
v. 60 (1865).

- 1, bracts.
- 2, expanded perfect flower.
- 3, expanded flower laid open, staminate only
- 4, front- and back-view of a stamen.
- 5, pollen-grain.
- 6, pistils.
- 7, lower portion of a fruit-valve with a seed.
- 8, a seed separated.
- 9, transverse section of a seed.
- 10 and 11, longitudinal sections of seeds.

All enlarged, but to various extent.



ADENANTHERA ABROSPERMA.

F. v. M. fragmenta phytographiae Australiae v. 30 (1865).

1, portion of a spike of unexpanded flowers.

2, bracts.

3, unexpanded flower.

4, expanded flower.

5, flower, laid open.

6, back- and front-view of a stamen.

7, pollen-grain.

8, pistil.

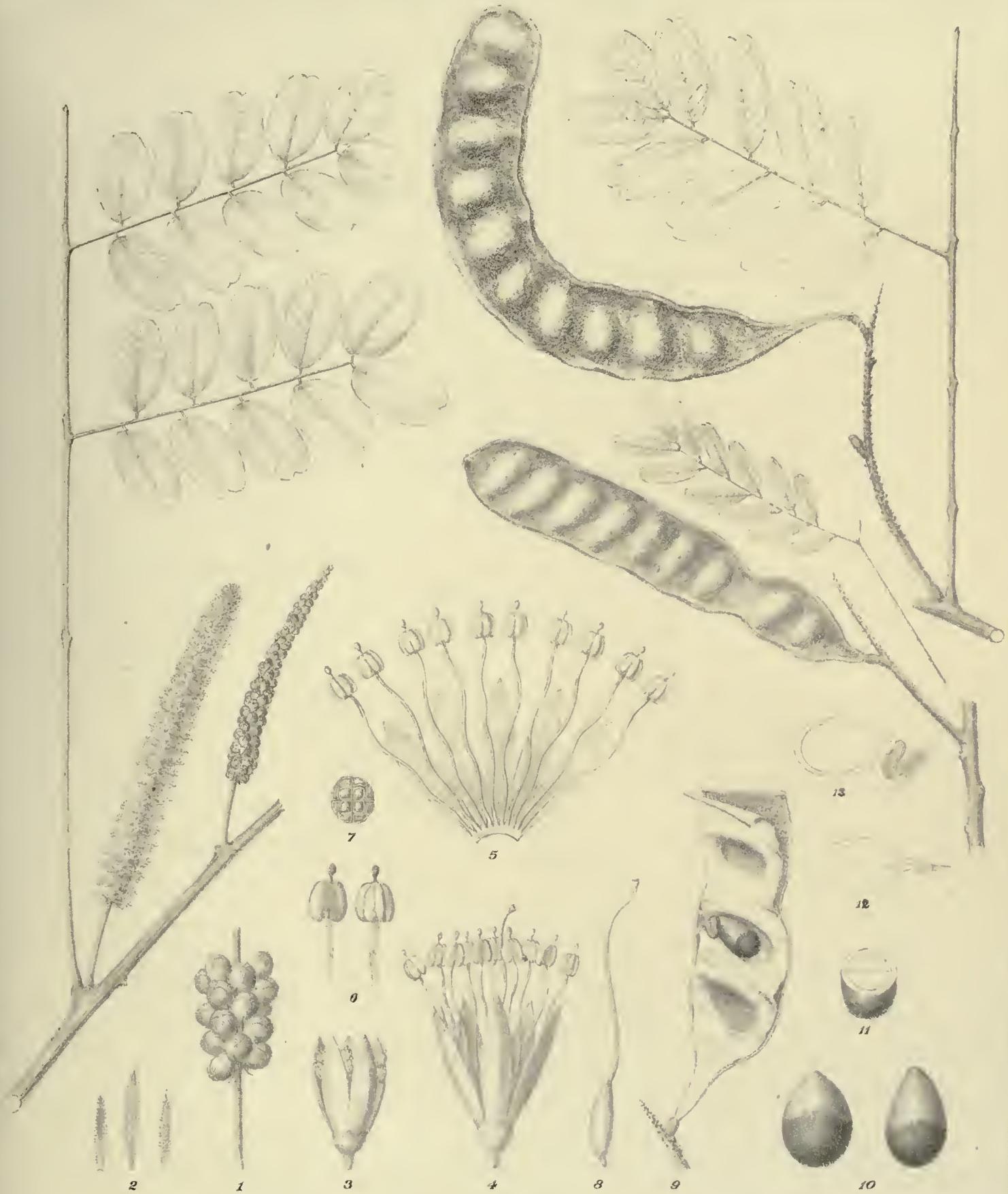
9, lower portion of a fruit-valve with a seed.

10, two seeds separated.

11, transverse section of a seed.

12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.



ERYTHROPHLAEUM LABOUCHERII.

F. v. M. in Bentham's Flora Australiensis ii. 297 (1864).

1, portion of a spike of unexpanded flowers.

2, bracts.

3, flower-bud.

4, unexpanded flower.

5, expanded flower, staminate only.

6, expanded perfect flower, laid open.

7, back-, front- and side-view of a stamen.

8, pollen-grains.

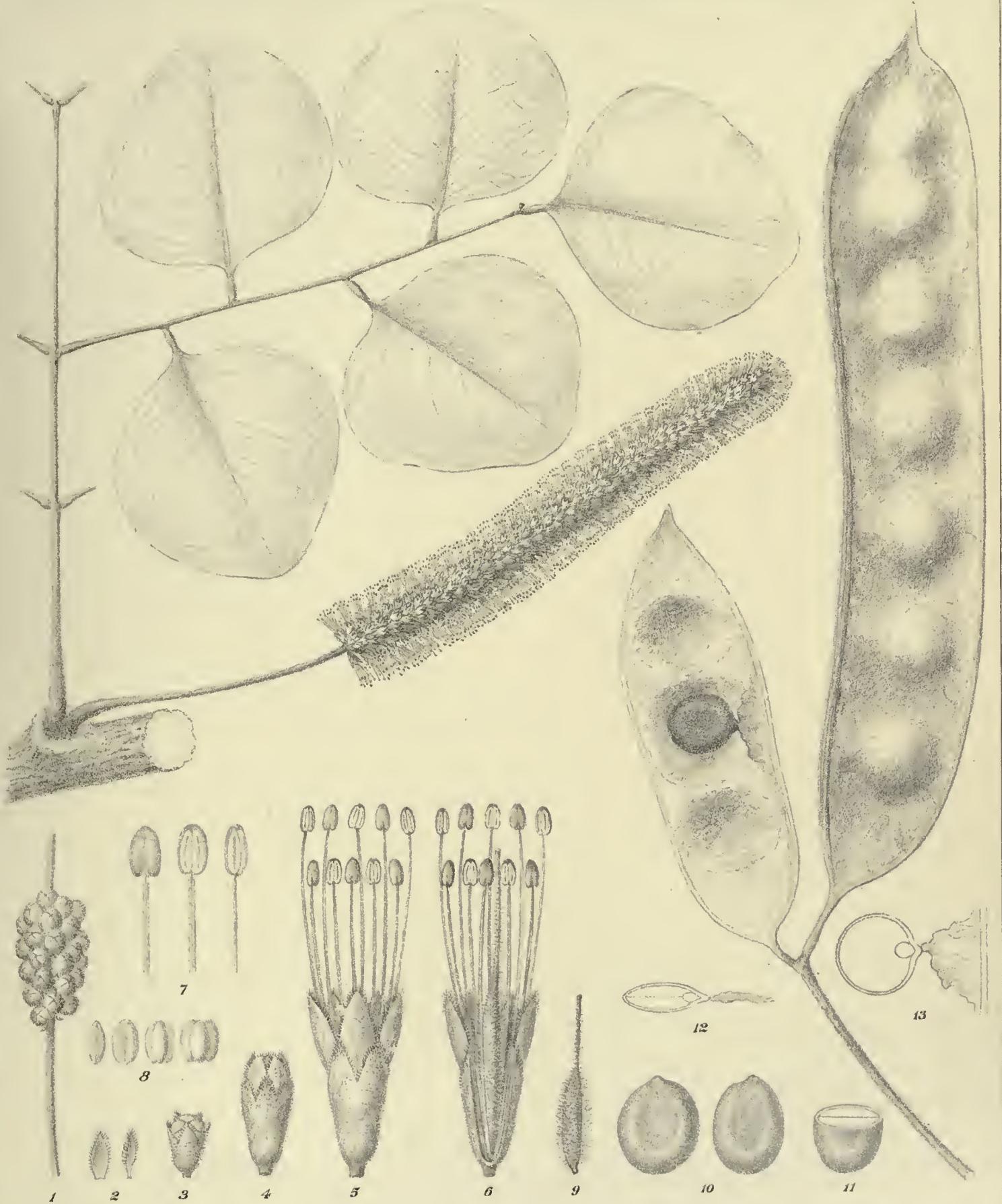
9, pistil.

10, two seeds.

11, transverse section of a seed.

12 and 13, longitudinal sections of seeds.

All enlarged, but to various extent.

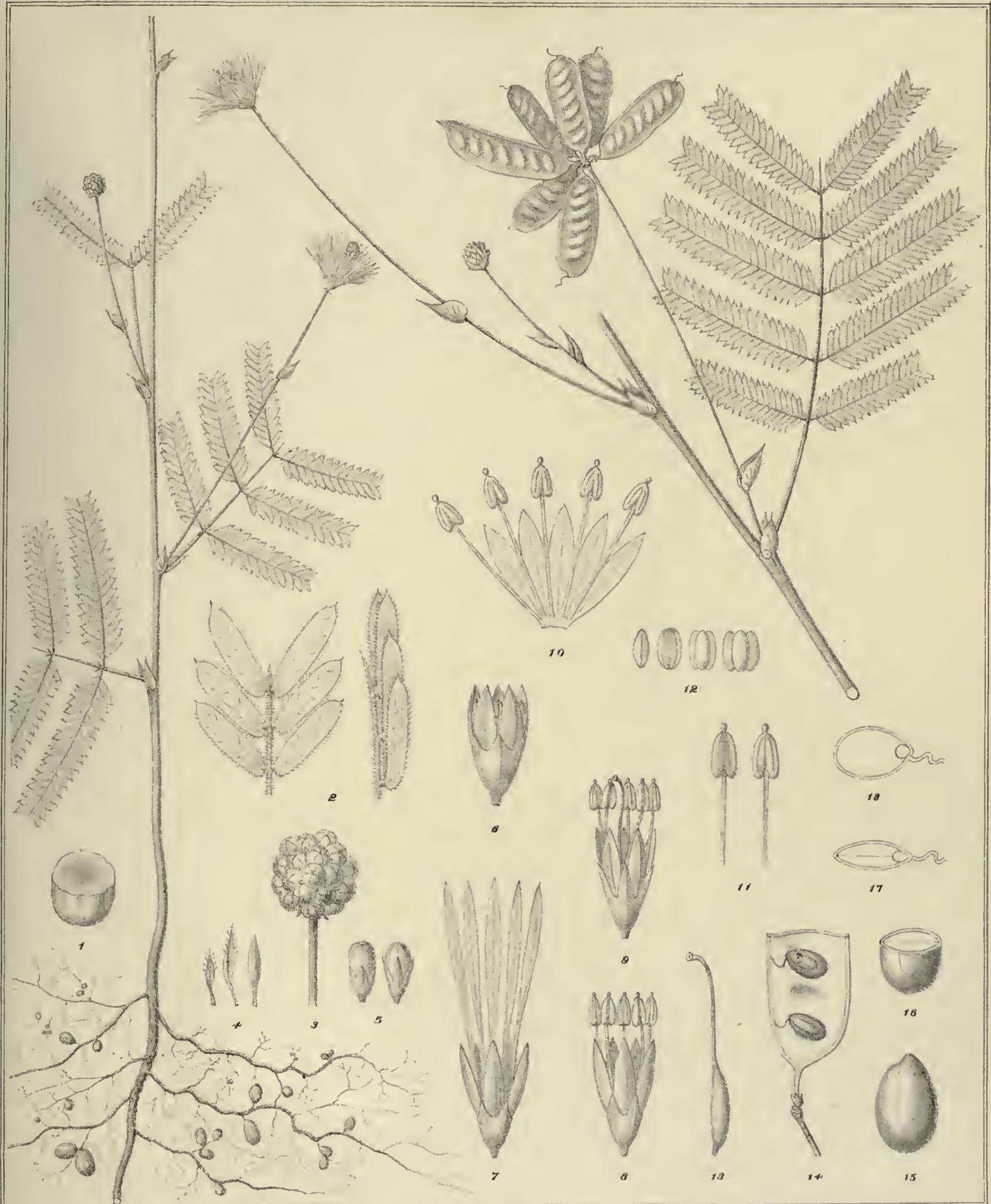


NEPTUNIA GRACILIS.

Bentham in Hooker's Journal of Botany iv. 355 (1842).

- 1, transverse section of a tuber.
- 2, portions of leaves.
- 3, head of unexpanded flowers.
- 4, bracts.
- 5, flower-buds.
- 6, unexpanded flower.
- 7, expanded sterile flower.
- 8, expanded fertile flower, staminate only.
- 9, expanded perfect flower.
- 10, staminate flower, laid open.
- 11, back- and front-view of a stamen.
- 12, pollen-grains.
- 13, pistil.
- 14, lower portion of fruit-valve with seeds.
- 15, a seed separated.
- 16, transverse section of a seed.
- 17 and 18, longitudinal sections of seeds.

All enlarged, but to various extent.



R. Graff del C. Troedel & C° Lith

F v M. direxit.

Steam Litho Govt Printing Office Melb

Neptunia *gracilis* BENTHAM.

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AND

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DECades I.—XIII.

1887—1888.

BY AUTHORITY:

ROBT. S. BRAIN, GOVERNMENT PRINTER, MELBOURNE.

—
1888.

TO

HIS EXCELLENCY

SIR HENRY BROUGHAM LOCH,

G.C.M.G., K.C.B.,

Governor of Victoria,

THIS VOLUME

ON A LARGE SYSTEMATIC ASSEMBLAGE OF PLANTS,

PARTICULARLY IMPORTANT FOR HORTICULTURE AND TECHNOLOGY,

AND

NUMERICALLY PREDOMINANT

IN

HER MAJESTY'S AUSTRALIAN DOMINIONS,

Is Dedicated

IN PROFOUNDEST OBEDIENCE.

INDEX TO THE ICONOGRAPHY OF AUSTRALIAN SPECIES
OF ACACIA AND COGNATE GENERA.

DECADES I. TO XIII.

Acacia acanthoclada, iv. 6.
acinacea, iv. 7.
acradenia, xi. 4.
alpina, ix. 3.
amblygona, vii. 3.
anceps, iii. 9.
aneura, x. 8.
aspera, iv. 3.
aulacocarpa, ix. 9.
auriculiformis, ix. 10.
Baileyana, xii. 5.
Baueri, iii. 4.
Baxteri, ii. 1.
Bidwilli, xii. 4.
Bynoeana, iii. 1.
cedroides, iii. 5.
cincinnata, ix. 6.
cochliocarpa, ix. 5.
colletioides, i. 4.
conferta, iii. 8.
conjunctifolia, xi. 7.
continua, i. 3.
coriacea, vi. 6.
cyclopis, viii. 3.
cyperophylla, x. 6.
Dallachiana, ix. 4.
delibrata, xi. 1.
denticulosa, xii. 2.
dictyophleba, viii. 7.
Dietrichiana, vi. 3.
dineura, viii. 10.
Doratoxylon, x. 1.
drepanocarpa, xi. 10.
elata, xii. 7.
ericifolia, ii. 10.
erinacea, iv. 2.
farinosa, vii. 7.

Acacia fasciculifera, iv. 10.
flavescens, viii. 9.
galiooides, iii. 2.
genistoides, i. 6.
gonocarpa, xi. 9.
gonoclada, xi. 2.
gonophylla, ii. 9.
Graffiana, vi. 2.
hakeoides, v. 10.
harpophylla, vi. 9.
Harveyi, v. 8.
hemignosta, viii. 6.
heteroclita, vii. 9.
holcocarpa, xi. 5.
homaloclada, viii. 5.
homalophylla, vi. 7.
implexa, viii. 2.
impressa, vii. 6.
iteaphylla, vi. 1.
juncifolia, ii. 8.
Kempeana, x. 9.
laricina, ii. 3.
latifolia, ix. 7.
leptopetala, v. 6.
leptostachya, x. 3.
linariooides, x. 5.
Luehmanni, vii. 2.
lysiphloia, x. 4.
macradenia, v. 7.
microcarpa, iv. 8.
minutifolia, iii. 6.
montana, iii. 10.
notabilis, v. 5.
oraria, viii. 1.
Osswaldi, vi. 10.
pachycarpa, xii. 1.
patens, ii. 2.

INDEX.

Acacia pendula, vi. 8.
phlebocarpa, vii. 5.
pilosa, iv. 4.
pityoides, x. 7.
plagiophylla, iv. 5.
plectocarpa, x. 10.
polybotrya, xii. 6.
praelongata, vi. 4.
pyrifolia, v. 4.
quadrisulcata, i. 5.
retinodes, v. 9.
retivenea, viii. 8.
rhigiophylla, ix. 2.
rigens, ii. 4.
scalpelliformis, vii. 4.
scirpifolia, ii. 7.
Sentis, iv. 9.
sessiliceps, ii. 5.
Simsii, vii. 10.
spatulata, v. 1.
spinescens, i. 2.
spondylophylla, iii. 7.
stenophylla, vi. 5.
stenoptera, i. 1.
stipuligera, xi. 3.
stipulosa, vii. 1.
strongylophylla, v. 3
suberosa, xii. 3.

Acacia subporosa, vii. 8.
subternata, iii. 3.
Sutherlandi, xii. 8.
tenuifolia, i. 8.
teretifolia, i. 10.
tetragonocarpa, iv. 1.
tetragonophylla, i. 7.
torulosa, x. 2.
trineura, viii. 8.
triptera, ix. 1.
trypticha, ii. 6.
tumida, ix. 8.
ulicina, i. 9.
Wattsiana, v. 2.
Wickhami, xi. 6.
xylocarpa, xi. 8.
Adenanthera abrosperma, xiii. 8.
Albizia basaltica, xii. 9.
canescens, xiii. 1.
Hendersoni, xiii. 5.
Lucyi, xiii. 6.
monilifera, xiii. 3.
pruinosa, xiii. 2.
Thozetiana, xii. 10.
Tozeri, xiii. 4.
Vaillantii, xiii. 7.
Erythrophlaeum Laboucherii, xiii. 9
Neptunia gracilis, xiii. 10.

CONTENTS OF DECADES I.—XIII.—GEOGRAPHIC INDEX.

DECade I. (1887).

<i>Acacia stenoptera</i> , Bentham	...	...	W.A.	—	—	—	—	—
<i>spinescens</i> , Bentham	...	...	—	S.A.	V.	N.S.W.	—	—
<i>continua</i> , Bentham ...	...	...	—	S.A.	V.	N.S.W.	—	—
<i>colletioides</i> , Cunningham	...	...	W.A.	S.A.	V.	N.S.W.	—	—
<i>quadrisulcata</i> , F. v. M.	...	...	W.A.	—	—	—	—	—
<i>genistoides</i> , Cunningham	...	...	W.A.	—	—	—	—	—
<i>tetragonophylla</i> , F. v. M.	...	...	—	S.A.	—	N.S.W.	Q.	N.A.
<i>tenuifolia</i> , F. v. M.	...	...	—	—	V.	—	—	—
<i>ulicina</i> , Meissner ...	...	...	W.A.	—	—	—	—	—
<i>teretifolia</i> , Bentham	...	...	W.A.	—	—	—	—	—

DECade II. (1887).

<i>Acacia Baxteri</i> , Bentham ...	...	...	W.A.	—	—	—	—	—
<i>patens</i> , F. v. M. ...	...	...	—	—	—	—	—	N.A.
<i>laricina</i> , Meissner ...	...	...	W.A.	—	—	—	—	—
<i>rigens</i> , Cunningham	...	...	—	S.A.	V.	N.S.W.	—	—
<i>sessiliceps</i> , F. v. M.	...	...	—	S.A.	—	—	—	—
<i>triptycha</i> , F. v. M. ...	...	...	W.A.	—	—	—	—	—
<i>scirpifolia</i> , Meissner	...	...	W.A.	S.A.	—	N.S.W.	—	—
<i>juncifolia</i> , Bentham	...	...	—	—	—	N.S.W.	Q.	N.A.
<i>gonophylla</i> , Bentham	...	...	W.A.	S.A.	—	—	—	—
<i>ericifolia</i> , Bentham ...	...	...	W.A.	—	—	—	—	—

DECade III. (1887).

<i>Acacia Bynoeana</i> , Bentham	...	...	—	—	—	—	—	N.A.
<i>galioides</i> , Bentham ...	...	...	—	—	—	N.S.W.	Q.	—
<i>subternata</i> , F. v. M.	...	...	—	—	—	—	—	N.A.
<i>Baueri</i> , Bentham ...	...	...	—	—	—	N.S.W.	Q.	—
<i>cedroides</i> , Bentham	...	...	W.A.	—	—	—	—	—
<i>minutifolia</i> , F. v. M.	...	...	—	S.A.	—	—	—	—
<i>spondylophylla</i> , F. v. M.	...	...	—	S.A.	—	—	—	N.A.
<i>conferta</i> , Cunningham	...	...	—	—	—	N.S.W.	Q.	—
<i>anceps</i> , De Candolle	...	...	W.A.	S.A.	—	—	—	—
<i>montana</i> , Bentham	...	...	—	S.A.	V.	N.S.W.	—	—

GEOGRAPHIC INDEX.

DECade IV. (1887).

<i>Acacia tetragonocarpa</i> , Meissner	...	...	W.A.	—	—	—	—	—
<i>erinacea</i> , Bentham	...	...	W.A.	S.A.	—	—	—	—
<i>aspera</i> , Lindley	...	...	—	S.A.	V.	N.S.W.	—	—
<i>pilosa</i> , Bentham	...	...	W.A.	—	—	—	—	—
<i>plagiophylla</i> , F. v. M.	...	...	—	—	—	N.S.W.	Q.	—
<i>acanthoclada</i> , F. v. M.	...	...	W.A.	S.A.	V.	N.S.W.	—	—
<i>acinacea</i> , Lindley	...	...	—	S.A.	V.	N.S.W.	—	—
<i>microcarpa</i> , F. v. M.	...	...	—	S.A.	V.	N.S.W.	—	—
<i>Sentis</i> , F. v. M.	...	...	W.A.	S.A.	V.	N.S.W.	Q.	N.A.
<i>fasciculifera</i> , F. v. M.	...	...	—	—	—	N.S.W.	Q.	—

DECade V. (1887).

<i>Acacia spatulata</i> , F. v. M.	...	...	W.A.	—	—	—	—	N.A.
<i>Wattsiana</i> , F. v. M.	...	...	—	S.A.	—	—	—	—
<i>strongylophylla</i> , F. v. M.	...	...	—	S.A.	—	—	—	—
<i>pyrifolia</i> , De Candolle	...	...	W.A.	—	—	—	—	N.A.
<i>notabilis</i> , F. v. M.	...	...	W.A.	S.A.	—	N.S.W.	—	N.A.
<i>leptopetala</i> , Bentham	...	...	W.A.	—	—	—	—	—
<i>macradenia</i> , Bentham	...	...	—	—	—	—	Q.	—
<i>Harveyi</i> , Bentham	...	...	W.A.	—	—	—	—	—
<i>retinodes</i> , Schlechtendal	...	...	—	S.A.	V.	—	—	—
<i>hakeoides</i> , Cunningham	...	...	—	S.A.	V.	N.S.W.	—	—

DECade VI. (1887).

<i>Acacia iteaphylla</i> , F. v. M.	...	...	—	S.A.	—	—	—	—
<i>Graffiana</i> , F. v. M.	...	...	W.A.	—	—	—	—	—
<i>Dietrichiana</i> , F. v. M.	...	...	—	—	—	—	Q.	—
<i>praelongata</i> , F. v. M.	...	...	—	—	—	—	—	N.A.
<i>stenophylla</i> , Cunningham	...	...	—	S.A.	V.	N.S.W.	Q.	N.A.
<i>coriacea</i> , De Candolle	...	...	W.A.	S.A.	—	N.S.W.	Q.	—
<i>homalophylla</i> , Cunningham	...	...	—	S.A.	V.	N.S.W.	Q.	—
<i>pendula</i> , Cunningham	...	...	—	—	—	N.S.W.	Q.	—
<i>harpophylla</i> , F. v. M.	...	...	—	—	—	—	Q.	—
<i>Osswaldi</i> , F. v. M.	...	...	W.A.	S.A.	V.	N.S.W.	Q.	—

DECade VII. (1887).

<i>Acacia stipulosa</i> , F. v. M.	...	...	W.A.	—	—	—	—	N.A.
<i>Luehmanni</i> , F. v. M.	...	...	—	—	—	—	—	N.A.
<i>amblygona</i> , Cunningham	...	...	—	—	—	N.S.W.	Q.	—
<i>scalpelliformis</i> , Meissner	...	...	W.A.	—	—	—	—	—
<i>phlebocarpa</i> , F. v. M.	...	...	—	—	—	—	Q.	N.A.
<i>impressa</i> , F. v. M.	...	...	W.A.	S.A.	—	—	Q.	N.A.
<i>farinosa</i> , Lindley	...	...	—	S.A.	V.	N.S.W.	—	—
<i>subporosa</i> , F. v. M.	...	...	—	—	V.	N.S.W.	—	—
<i>heteroclita</i> , Meissner	...	...	W.A.	—	—	—	—	—
<i>Simsii</i> , Cunningham	...	...	—	—	—	—	Q.	N.A.

GEOGRAPHIC INDEX.

DECade VIII. (1888).

<i>Acacia oraria</i> , F. v. M. ...	...	...	—	—	—	—	Q.	—
<i>implexa</i> , Bentham ...	...	...	—	—	V.	N.S.W.	Q.	—
<i>cyclopis</i> , Cunningham	...	...	W.A.	S.A.	—	—	—	—
<i>trineura</i> , F. v. M. ...	...	...	—	S.A.	V.	—	—	—
<i>homaloclada</i> , F. v. M.	...	...	—	—	—	—	Q.	—
<i>hemignosta</i> , F. v. M.	...	...	—	—	—	—	—	N.A.
<i>dictyophleba</i> , F. v. M.	...	...	—	S.A.	—	—	Q.	N.A.
<i>retivenea</i> , F. v. M.	...	...	—	S.A.	—	—	—	N.A.
<i>flavescens</i> , Cunningham	...	...	—	—	—	—	Q.	N.A.
<i>dineura</i> , F. v. M. ...	...	...	—	—	—	—	—	N.A.

DECade IX. (1888).

<i>Acacia triptera</i> , Bentham ...	...	...	—	—	—	N.S.W.	Q.	—
<i>rhigiophylla</i> , F. v. M.	...	...	—	S.A.	—	—	—	—
<i>alpina</i> , F. v. M. ...	...	...	—	—	V.	—	—	—
<i>Dallachiana</i> , F. v. M.	...	...	—	—	V.	—	—	—
<i>cochliocarpa</i> , Meissner	...	...	W.A.	—	—	—	—	—
<i>cincinnata</i> , F. v. M.	...	...	—	—	—	—	Q.	—
<i>latifolia</i> , Bentham ...	...	...	—	—	—	—	—	N.A.
<i>tumida</i> , F. v. M. ...	...	...	—	—	—	—	—	N.A.
<i>aulacocarpa</i> , Cunningham	...	...	—	—	—	—	Q.	N.A.
<i>auriculiformis</i> , Cunningham ...	...	—	—	—	—	—	Q.	N.A.

DECade X. (1888).

<i>Acacia Doratoxylon</i> , Cunningham	...	...	W.A.	S.A.	V.	N.S.W.	Q.	—
<i>torulosa</i> , Bentham ...	...	...	—	—	—	—	Q.	N.A.
<i>leptostachya</i> , Bentham	...	...	—	—	—	—	Q.	N.A.
<i>lysiphloia</i> , F. v. M.	...	...	—	—	—	—	Q.	N.A.
<i>linarioides</i> , Bentham	...	...	—	—	—	—	—	N.A.
<i>cyperophylla</i> , F. v. M.	...	...	—	S.A.	—	N.S.W.	Q.	—
<i>pityoides</i> , F. v. M.	...	...	—	—	—	—	Q.	N.A.
<i>aneura</i> , F. v. M. ...	...	...	W.A.	S.A.	V.	N.S.W.	Q.	—
<i>Kempeana</i> , F. v. M.	...	...	—	S.A.	—	N.S.W.	Q.	—
<i>plectocarpa</i> , Cunningham	...	...	—	—	—	—	—	N.A.

DECade XI. (1888).

<i>Acacia delibrata</i> , Cunningham	...	...	—	—	—	—	Q.	N.A.
<i>gonoclada</i> , F. v. M.	...	...	—	—	—	—	Q.	N.A.
<i>stipuligera</i> , F. v. M.	...	...	—	S.A.	—	—	Q.	N.A.
<i>acradenia</i> , F. v. M.	...	...	—	—	—	—	Q.	N.A.
<i>holcocarpa</i> , Bentham	...	...	—	—	—	—	Q.	—
<i>Wickhami</i> , Bentham	...	...	—	—	—	—	—	N.A.
<i>conjunctifolia</i> , F. v. M.	...	...	—	—	—	—	—	N.A.
<i>xylocarpa</i> , Cunningham	...	...	—	—	—	—	—	N.A.
<i>gonocarpa</i> , F. v. M.	...	...	—	—	—	—	—	N.A.
<i>drepanocarpa</i> , F. v. M.	...	...	—	—	—	—	—	N.A.

GEOGRAPHIC INDEX.

DECade XII. (1888).

<i>Acacia pachycarpa</i> , F. v. M.	...	...	—	—	—	—	—	N.A.
<i>denticulosa</i> , F. v. M.	...	...	W.A.	—	—	—	—	—
<i>suberosa</i> , Cunningham	...	...	—	—	—	—	—	N.A.
<i>Bidwilli</i> , Bentham ...	...	...	—	—	—	—	Q.	N.A.
<i>Baileyana</i> , F. v. M.	...	...	—	—	—	N.S.W.	—	—
<i>polybotrya</i> , Bentham	...	...	—	—	—	N.S.W.	Q.	—
<i>elata</i> , Cunningham ...	...	...	—	—	—	N.S.W.	—	—
<i>Sutherlandi</i> , F. v. M.	...	...	—	—	—	—	—	N.A.
<i>Albizia basaltica</i> , Bentham	...	...	—	—	—	—	Q.	—
<i>Thozetiana</i> , F. v. M.	...	...	—	—	—	—	Q.	—

DECade XIII. (1888).

<i>Albizia canescens</i> , Bentham	...	...	—	—	—	—	Q.	—
<i>pruinosa</i> , F. v. M.	...	...	—	—	—	N.S.W.	Q.	—
<i>monilifera</i> , F. v. M.	...	...	—	—	—	—	—	N.A.
<i>Tozeri</i> , F. v. M. ...	...	...	—	—	—	N.S.W.	Q.	—
<i>Hendersoni</i> , F. v. M.	...	...	—	—	—	N.S.W.	Q.	—
<i>Lucyi</i> , F. v. M. ...	...	...	—	—	—	—	Q.	—
<i>Vaillantii</i> , F. v. M.	...	...	—	—	—	—	Q.	—
<i>Adenanthera abrosperma</i> , F. v. M. ...	...	—	—	—	—	—	Q.	—
<i>Erythrophlaeum Laboucherii</i> , F. v. M.	...	—	—	—	—	—	Q.	N.A.
<i>Neptunia gracilis</i> , Bentham	...	...	—	—	—	N.S.W.	Q.	N.A.

C O N T E N T S.

<i>ALBIZZIA CANESCENS.</i>	{	<i>ALBIZZIA LUCYI.</i>
<i>PRUINOSA.</i>		<i>VAILLANTII.</i>
<i>MONILIFERA.</i>		<i>ADENANTHERA ABROSPERMA.</i>
<i>TOZERI.</i>		<i>ERYTHROPHLAEUM LABOUCHERII.</i>
<i>HENDERSONI.</i>		<i>NEPTUNIA GRACILIS.</i>

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